

The Cotton Gin and Oil Mill

PRESS

A PROGRESSIVE AND RESPONSIBLE PUBLICATION

FEBRUARY 25, 1956

57th
year

THE MAGAZINE OF THE COTTON GINNING
AND OILSEED PROCESSING INDUSTRIES



LUMMUS

GRID-TYPE HOT AIR CLEANER

and GRAVITY CLEANER with RECLAIMER

Installed without major changes, this new Lummus group completes the task of turning out really clean lint from the most trashy, rough-picked cotton. And the job is done without saws or screens. Smooth, round rods are kind to cotton. They do the job. They take out sticks, vines, dirt and all other types of trash which today's cotton presents as a major ginning problem. Retractable, optional, boll-breaker on Hot Air Cleaner. Write for Bulletin #633.

LUMMUS COTTON GIN CO.

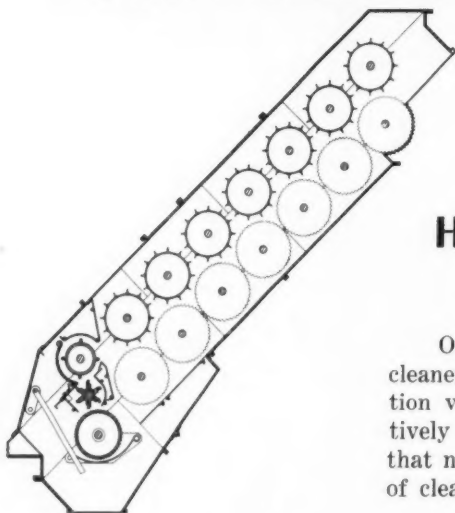
Established 1869

COLUMBUS, GEORGIA • DALLAS • FRESNO • MEMPHIS



CONTINENTAL'S

Impact Cleaner



Has No Screens to Restrict Discharge of Sticks, Stems, Hulls and Motes

Outstanding success and extremely heavy demand for this efficient cleaner have been due to its tremendous cleaning capacity. This cross section view shows arrangement of revolving serrated discs which effectively extract foreign matter from roughly picked cotton in quantities that no conventional cylinder cleaner can remove. The recurring problem of cleaning screens — always a nuisance — is also eliminated.

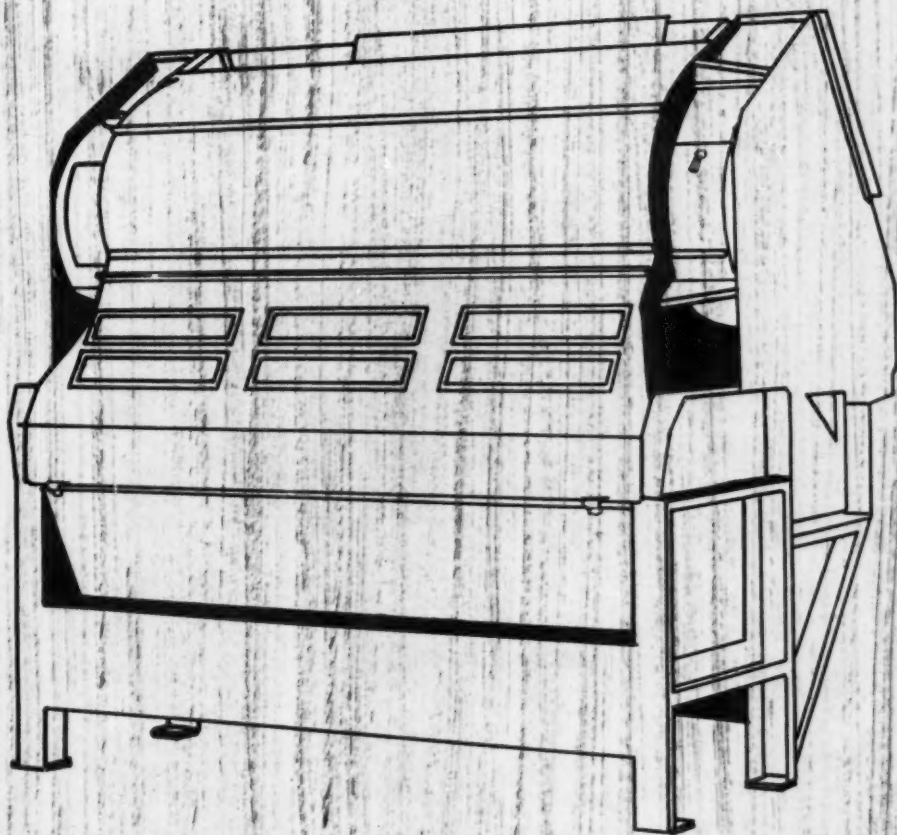
Write for Bulletin 190-B which gives complete description.

Continental

GIN COMPANY

The Completely New

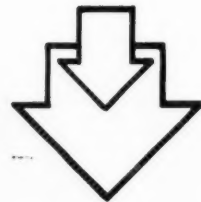
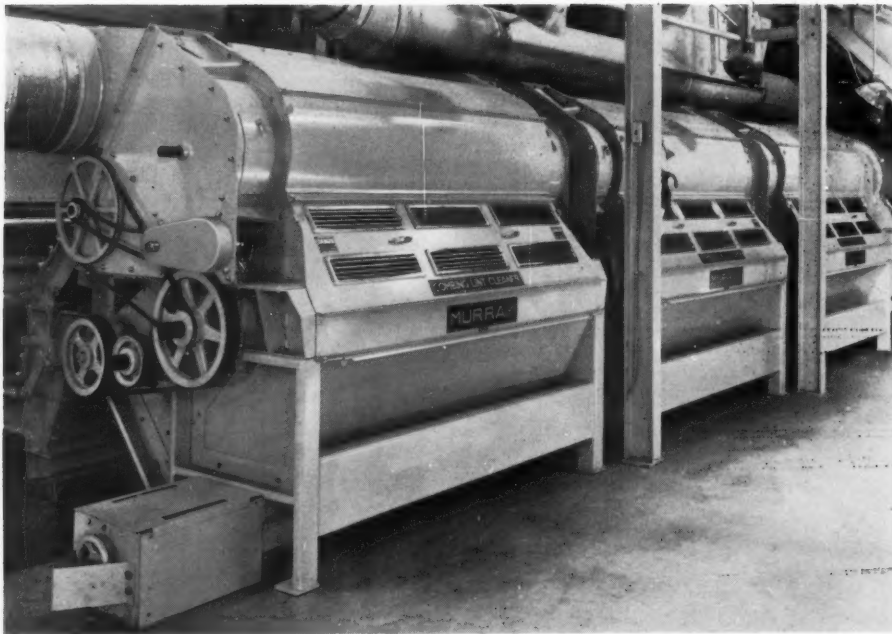
Combing Lint Cleaner



The Only Lint Cleaner With a Revolving Comb

MURRAY

A Murray Exclusive:



Murray "Combing" Lint Cleaners

This COMPLETELY NEW Lint Cleaner, first produced in large quantities in 1955, is the result of extensive and lengthy experimentation and development. It incorporates NEW AND RADICALLY DIFFERENT PRINCIPLES which produce greatly improved cleaning effectiveness WITHOUT loss of Lint which by any stretch of the imagination could be termed useful if left in the Cotton. Actually removes types and quantity of trash that should be removed without undue reduction in weight of finished bale.

This new Lint Cleaner has improved and scientifically designed Grid Bars which add greatly to trash separation effectiveness WITHOUT LINT LOSS. The first three Grid Bars to which cotton is exposed while traveling around Saws are extra heavy with keen edges located in close proximity to saws, and set at correct angle for most effective cleaning. The remaining Grid Bars, located in path of travel following the

first three bars referred to, are of different design and shape, particularly arranged to prevent loss of Lint, and also to do the finishing cleaning job.

The entire Frame, Housings and all moving parts of this completely new Lint Cleaner are designed JUST AS LONG AS POSSIBLE to allow setting on Standard Centers. They are particularly adapted to 90-Saw Gins and have more capacity, while performing best possible class of work, than any 90-Saw Gin. Actual tests show that power required for each Lint Cleaner is between six and seven horsepower.

In construction, in Manufacturing process, this COMPLETELY NEW LINT CLEANER is Designed to produce better results in the Cotton Ginning Industry.

The answer to Producing better grades and pleasing your customers, thereby increasing your profits, can be found in this COMPLETELY NEW LINT CLEANER.

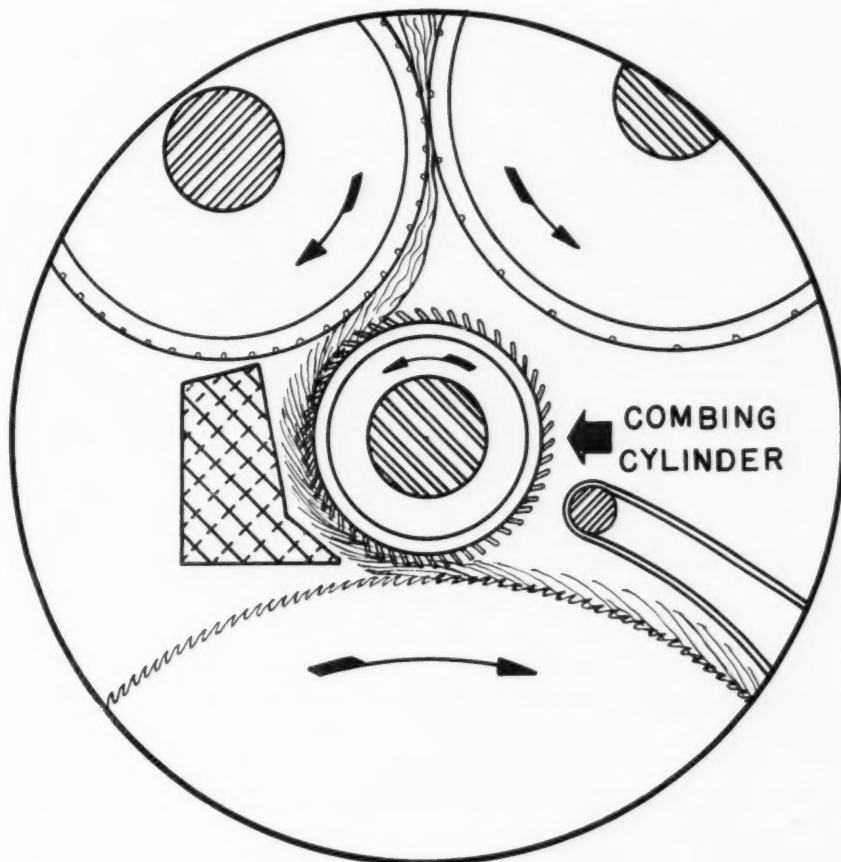
PRECISION COMBING ACTION

WHAT IS THE REVOLVING COMB?

The Revolving Comb is a cylinder with approximately 21,500 fine teeth on its surface which actually combs the cotton as it is removed by the saws.

This Revolving Comb—A MURRAY EXCLUSIVE—is covered with material extensively used in cotton Mill cleaning equipment.

The approximate 21,500 teeth on the Revolving Comb effectively support all fiber until it is combed onto the saw cylinder.



HOW DOES IT DO SO MUCH MORE?

The Revolving Comb revolves slower than the saws, thereby enabling it to actually comb out the lint, making it smooth.

By combing the lint into the Saw Teeth, all fiber is securely held by the teeth to prevent throwing off or wasting good fibers.

The combing action loosens the trash, motes, and twists, so that the grid bars can throw them off more easily.

WITHOUT LINT LOSS

Features of Construction

This Machine incorporates new, positive-action Condenser having accurate, true running, 20" diameter and 62½" long drum exposed to cotton travel. The newly designed Condenser is not sensitive and does not require a balanced air condition. This very important feature allows the condenser to operate effectively without choking.

**NOT
SENSITIVE**



**EFFECTIVE
BLENDING**



This new Lint Cleaner incorporates a Combing Roller 3" in diameter, 62½" long, fitted with approximately 21,500 Steel Spikes. These Steel Spikes are oval in shape, approximately ⅛" long, set on Roller at angle of approximately 30 degrees leaning forward and each Spike has keen point. This Combing Roller receives Lint Cotton directly from Condenser Doffing Rollers and runs with points of multitudinous Spikes in very close proximity to Oscillating Saws located directly under Combing Roller. Rim speed of Saws is many times greater than the Rim speed of Combing Roller, which causes Teeth of Oscillating Saws to comb Lint Cotton off the multitudinous small Steel Spikes of Combing Roller. This action greatly increases Sample smoothness without damage, making possible greatly improved trash separation and most effective blending. The end result is that value of cotton is increased.

Saw Cylinder has 220 Saws, making portion of Cylinder covered by Saws 63¼" long and having Metal Saw Spacers 11" in diameter and ¼" thick. Oscillation of Saws at each revolution is slightly over ¼". Accurately ground Spacers being 11" in diameter cause entire Saw Cylinder to be very rigid and true running. This true-running Saw Cylinder allows Grid Bars to be spaced in close proximity to same for greatly improved cleaning effectiveness.

**TRUE
←
RUNNING**

**NO
ADJUSTMENT**



Lint Cotton is doffed from Oscillating Saws by 18" diameter Revolving Brush which is 66⅜" long, or approximately 3" longer than Saw Cylinder, for most effective Doffing and trouble-free operation. Because of unique design of this Machine, no adjustment is necessary in speed of moving elements in Lint Cleaner when amounts of cotton being fed through Gin Stands are varied as necessary by changing conditions of cotton.

*Another Advance in Murray Progress
To Help the Ginner Get the Most . . .*

Smoother Lint - - Less Waste

CONDENSER:

Accuracy in design and manufacturing makes this condenser unit a remarkable advance in producing and aiding cotton travel.

COMBING ROLLER:

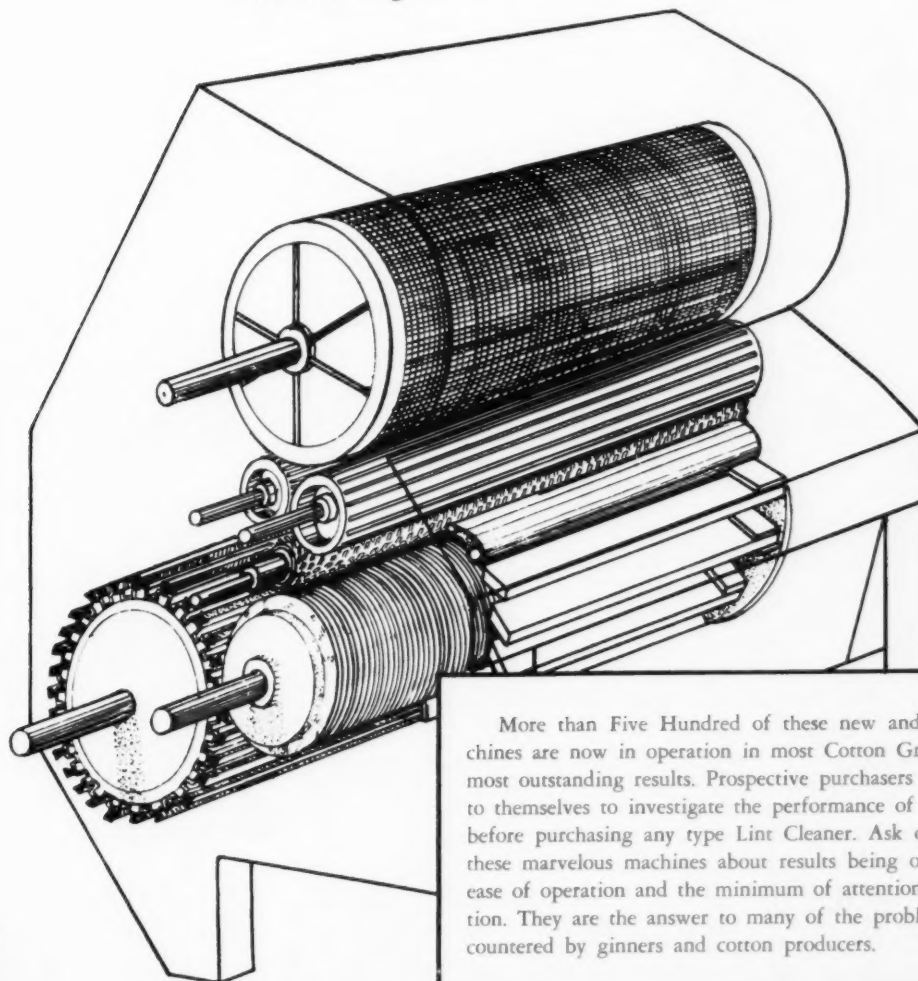
Incorporates proven performance with advanced design and new application.

BRUSH CYLINDER:

Extra length, sturdiness in construction, accomplishes effective doffing and with minimum horsepower.

SAW CYLINDER:

Oscillating, True running, in close proximity with Grid Bars, for effective cleaning.



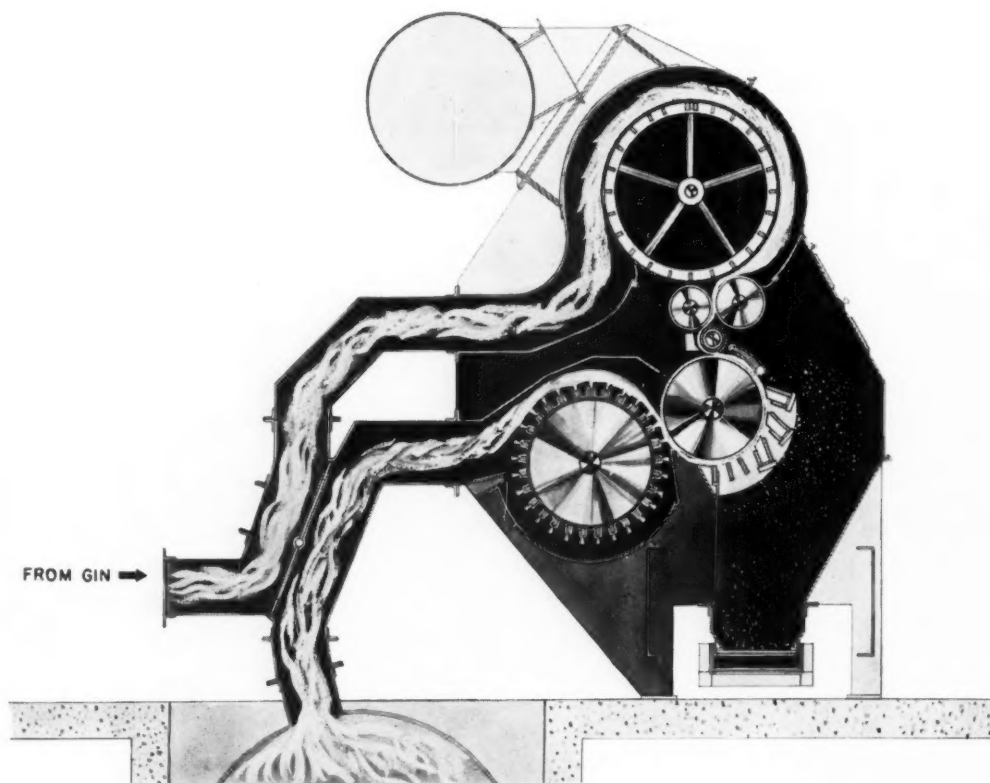
More than Five Hundred of these new and radically different machines are now in operation in most Cotton Growing States, producing most outstanding results. Prospective purchasers of Lint Cleaners owe it to themselves to investigate the performance of this great new machine before purchasing any type Lint Cleaner. Ask owners and operators of these marvelous machines about results being obtained. Also ask about ease of operation and the minimum of attention required during operation. They are the answer to many of the problems currently being encountered by ginner and cotton producers.

Combing Lint Cleaners

Cross Sectional View

Illustrating the Many Fine Features of the Great New . . .

Murray "Combing" Lint Cleaners



These new Lint Cleaners may be installed with either under floor Lint Flue, or above floor Lint Flue, and with either type of installation, positive action by-pass valves are incorporated.

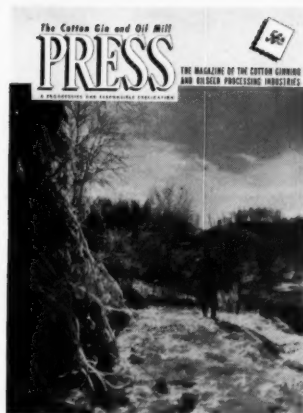
THE MURRAY COMPANY
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DALLAS, TEXAS, U.S.A.

FRESNO, CALIF.

ATLANTA, GA.



The Cotton Gin and Oil Mill PRESS...

READ BY COTTON
GINNERS, COTTONSEED
CRUSHERS AND OTHER
OILSEED PROCESSORS
FROM CALIFORNIA TO
THE CAROLINAS

★ ★ ★

OFFICIAL MAGAZINE OF:

National Cottonseed
Products Association
National Cotton Ginn-
ers' Association
Alabama Cotton Ginn-
ers' Association
Arizona Ginn-ers'
Association
Arkansas-Missouri Ginn-
ers' Association
California Cotton Ginn-
ers' Association
The Carolinas Ginn-
ers' Association
Georgia Cotton Ginn-
ers' Association
Louisiana-Mississippi Cotton
Ginn-ers' Association
New Mexico Cotton
Ginn-ers' Association
Oklahoma Cotton Ginn-
ers' Association
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ers' Association
Texas Cotton Ginn-ers'
Association

★

THE COTTON GIN AND
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or policies contained herein.

A PROGRESSIVE AND RESPONSIBLE PUBLICATION

★ ON OUR COVER:

Winter's last gasp usually comes about this time of the year in the Cotton Belt, surprising a lot of us who ought to know better. Such scenes as the one on our cover are not uncommon in March or even April in parts of the South; and serve as a reminder not to try to plant spring crops too early—or to get spring fever too soon, either. But, it's encouraging to think that spring can't be far behind, once we've gotten February out of the way.

Photograph by Frank J. Miller

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WASHINGTON REPRESENTATIVE
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FOR
FURTHER
INFORMATION
AND DETAILS

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Supply and
Machine
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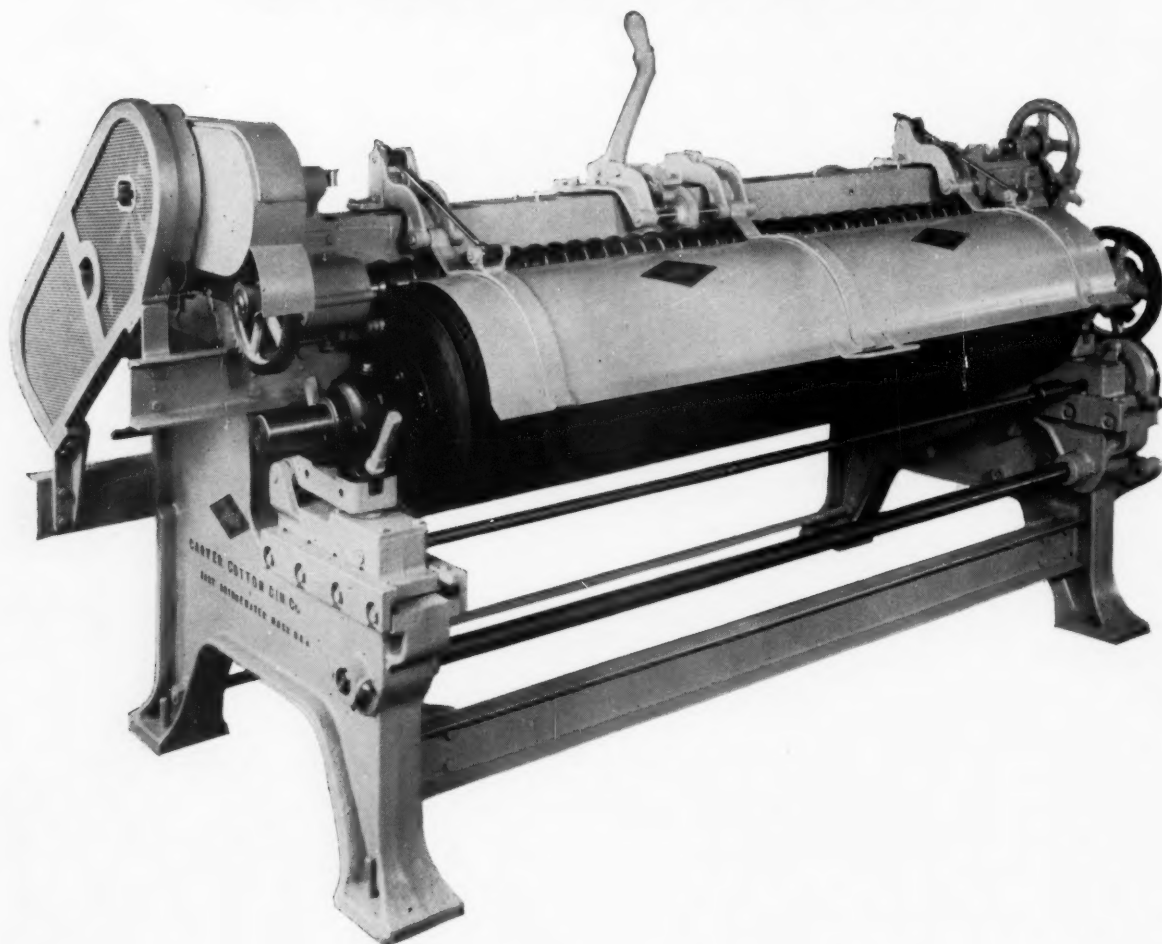
Rotor Lift

BEST AND FOREMOST SINCE 1925

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ENTIRELY AUTOMATIC



CARVER ROTARY SIDE FILER

**CONSIDER THE GAIN WHEN YOU RAISE THE
GRADE OF YOUR FIRST CUT LINT**

Side Filing has been neglected because old type Side Filers required continual attention to shifting Files.

NOW you can **SIDE FILE** without additional Lint Room Labor.

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THE BRAND NEW

TCI Side Opening Buckle

BEATS THEM ALL!

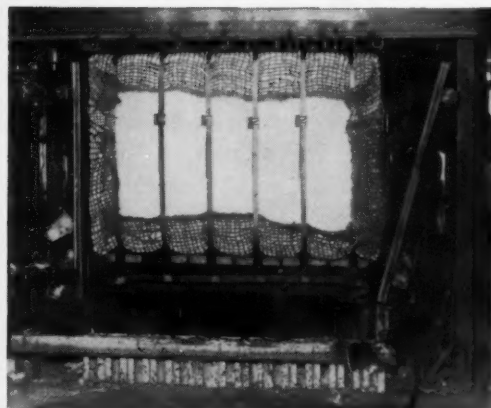


This Side Opening Buckle is hot punched from carbon steel. Its new side opening design speeds up bale hooking time. The curved seat helps eliminate edge tears and gives every tie a solid seat, making it work at peak efficiency.

TCI'S NEW SIDE OPENING BUCKLE is the best on the market! That fact has been proved by a large group of Southern ginners who have actually tested the new buckle for a full season on their own presses.

Here's Why

The side opening on the buckle drastically reduces bale hooking time because each tie slips into place quickly and easily. Workers' hands are safe since there's no need to twist the buckle in hooking operations. The curved seat helps eliminate edge tears, gives the tie a solid seat and guarantees that every tie will work at peak efficiency. Hot punched from rugged carbon steel, the side opening buckle won't spread or break . . . even under enormous pressure. Take advantage of these features by letting the new TCI Side Opening Buckle help you have a faster, smoother, more economical ginning operation.



The new TCI Side Opening Buckle is a universal buckle suitable for use in gin, standard compress or high density compress baling. Its unique design drastically reduces bale hooking time.

Look for the "T"
on all TCI Side Opening Buckles.

TCI SIDE OPENING BUCKLES and TCI COTTON TIES

TENNESSEE COAL & IRON
DIVISION

UNITED STATES STEEL CORPORATION, FAIRFIELD, ALABAMA • UNITED STATES STEEL EXPORT COMPANY, NEW YORK

UNITED STATES STEEL



• These cotton rows were still free of weeds 7 weeks after "Karmex" DL was applied.

Cotton growers get lowest-cost weed control from Du Pont Karmex[®] DL

HERBICIDE

"We got our best and most economical weed and grass control from 'Karmex,'" says Sam McNeil, Silver Leaf Plantation, England, Ark. It's the cheapest insurance we have found for weed and grass control in young cotton."

"'Karmex' DL pre-emergence weed control is excellent insurance against a wet year when weeds can get out of hand," says H.W. Branton, Isola Plantation, Leland, Miss. "I used 'Karmex' DL on two-thirds of my cotton acreage last year (1955) and I plan to use it on my full acreage in 1956."

"It took three times more hoe labor to keep the weeds out of untreated rows than it did in treated rows," says Jack Gee, Portageville, Mo. "I treated 90 acres of cotton in 1955 and I am very satisfied with the weed control. It was especially good on pigweed and crabgrass. I plan to use 'Karmex' DL again in 1956."

"'Karmex' DL is safe for use on cotton and gives excellent weed-control insurance and under proper conditions can practically eliminate early-season hoeing," says J.C. Robertson, Holly Ridge Planting Co., Holly Ridge, Miss. "I treated 300 acres of cotton with 'Karmex' DL in 1955 and plan to treat the major portion of my day-crop acreage on light and medium soils in 1956."

"We found 'Karmex' DL easy to use, and it gave good control of weeds and grass," according to Clarence Mahurin, Pickens Plantation, Pickens, Ark. "I believe 'Karmex' DL is one of the best—if not the best—pre-emergence chemicals available."

"'Karmex' DL does the job . . . and at a lower cost per acre," reports Jerry Falls, Webb, Miss. "It gave us weed and grass control for six or seven weeks and was especially effective on pigweed."

On all chemicals, follow label instructions and warnings carefully.



Karmex[®] DL
HERBICIDE

BETTER THINGS FOR BETTER LIVING...THROUGH CHEMISTRY

FOR FREE BOOKLET on how pre-emergence weed control with new "Karmex" DL can cut the cost of producing cotton, write Du Pont, Grasselli Chemicals Dept., 1100 E. Holcombe Blvd., Houston, Texas.

Whether it's
PICKED by hand

... or
by **MACHINE**



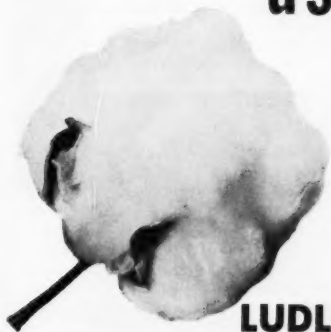
cotton
is worth
wrapping
Right



use **HINDOO**

AND YOUR COTTON WILL HAVE
THE RIGHT PROTECTION

a dependable product made for
ginners who demand the best

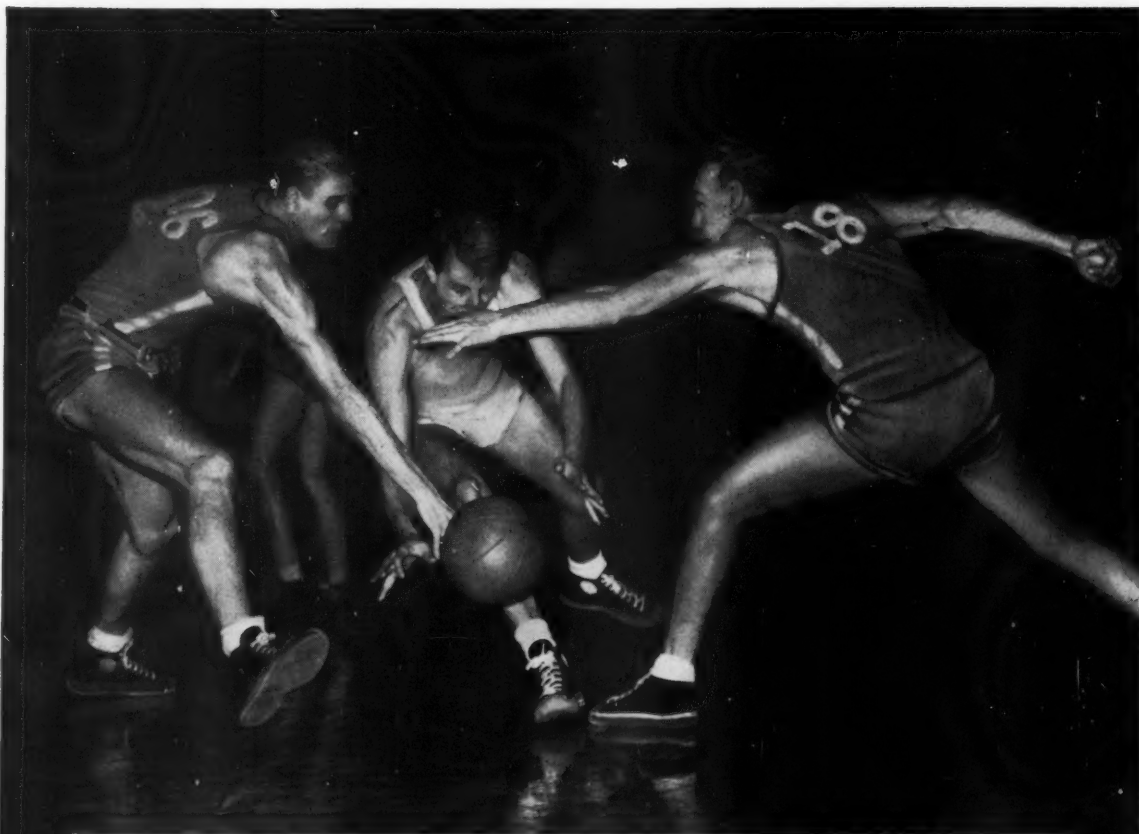


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It's hard to beat this combination . . . high quality solvents teamed up with Phillips practical experience and know-how in the solvent field. Phillips 66 Solvents are free from harmful contaminants. Special handling and storage facilities keep them clean and pure. The narrow

boiling range assures no light ends, no heavy residues. You get high recovery of oil and solvent. Find out how the Phillips team . . . high quality solvents plus expert technical assistance . . . can simplify your plant operations and increase your profits.

PHILLIPS PETROLEUM COMPANY

Special Products Division

Bartlesville, Oklahoma





MOTHER IS USING a semi-elastic cotton bandage, which will cling together and stay put and whose stretch will permit an active boy to play much more comfortably. The battle-tested bandage is now available at the corner drugstore.

During 45 years of service in
textile and cotton research,

USDA scientist Charles F.

Goldthwait's discoveries form

an imposing list of boons to

industry and the public.

Clinging Cotton Bandage With Two-Way Stretch

By MARIE A. JONES

Southern Regional
Research Laboratory¹
New Orleans, Louisiana

THOUGH she probably won't know it, many an American mother will have cause to bless the name of Charles F. Goldthwait when she bandages little Johnny's skinned knee, or wraps up the foot in which he stuck a splinter. For this quiet, unassuming textile chemist originated the clinging bandage with the two-way stretch, a bandage so talented in itself that even an amateur can do a neat, comfortable job on joints and other hard-to-fit parts of the human anatomy.

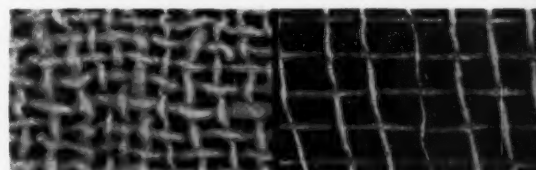
The bandage has only recently gone on sale in neighborhood drugstores throughout the country, but it was already battle-tested during World War II and the conflict in Korea. These tests showed the bandage to be so much better than those previously used that the Defense Department placed initial orders for millions of the semi-elastic cotton gauze bandage, as it is generally known, and is continuing its purchase as needed. Though superior quality, rather than cost, is the determining factor in such purchases, it is certainly no disadvantage that this better bandage costs less than half as much the usual elastic bandage in use before its introduction.

Goldthwait, its inventor, heads the Cotton Chemical Processing Section at USDA's Southern Regional Research Laboratory in New Orleans, where he and many other scientists are working constantly to find new ways of using cotton, or of improving its qualities for uses already known. The work of these men, and others like them, not only holds out promise of new and better things for the consuming public, but of a much more stable and prosperous future for the cotton grower, the ginner, the processor, and all the other members of the population whose economic welfare depends on the "white gold" of the South.

When Goldthwait joined the staff of the Southern Regional Research Laboratory in 1941, the cotton industry was becoming alarmed by the inroads of synthetics into markets which had long belonged to cotton, and USDA had ini-

tiated an intensive program of research to expand and improve utilization of one of the nation's basic agricultural products. Goldthwait, already recognized as an authority in the textile field, and one of the first to attempt practical treatments of cotton with chemicals to obtain fibers with new and valuable properties, promptly found a place in the program as head of the chemical

GOLDTHWAIT COMPARES the condition of treated and untreated hot-head-press pad covers in a commercial laundry. The scorched cover is made of untreated cotton fabric, the other of acetylated cotton.



BEFORE AND AFTER. The extremely open-weave fabric (left) is of ordinary cotton gauze bandage fabric. Pictured on the right is the same fabric after treatment by the Goldthwait process. Note how the threads have shortened and thickened.

modification unit of the Cotton Chemical Processing Section.

• **Textiles Chose Him** — He brought to the project the knowledge and practical experience gained during 15 years of work as a chemist and department head in textile mills, and of another 15 years of research on cotton. A native of Cummington, Mass., Goldthwait graduated from the Worcester (Mass.) Polytechnic Institute in 1909 with high honors, receiving a B.S. in chemistry.

It could not be said that he selected textiles as his chosen field; rather, textiles selected him. At the time he received his degree, S. Slater and Sons, Inc., Webster, Mass., textile manufacturers, wished to add a chemist to their staff, and offered him the position. He accepted, and discovered almost immediately that standardized procedures were lacking in textile mills, and application of modern chemistry to textile manufacture was an almost untouched field. He was fascinated by the possibilities. A career had found him, and from that time on he gave to it his skill, his

¹ One of the laboratories of the Southern Utilization Research Branch, Agricultural Research Service, USDA.

(Continued on Page 38)



PLANS for the May 21-22 convention of National Cottonseed Products Association at the Statler Hilton Hotel in Dallas were made recently at a Dallas conference of local committeemen with NCPA officials. Shown in the picture, left to right, back row, are L. W. Althaus, Procter & Gamble Co.; A. L. Ward, NCPA educational director; Bruce Coleman, The Englander Co.; Louis Tobian, Tobian & Co.; and Joe Flaig, Simmons Cotton Oil Mills. Front row shows Dick Haughton, Jr., The Cotton Gin and Oil Mill Press; J. F. Moloney, NCPA secretary-treasurer; Carr Robinson, Robinson-Adams Co.; and Jas. R. Gill, Southland Cotton Oil Co. Division of Anderson, Clayton & Co.

• Committees Named For Convention

E. H. LAWTON, Hartsville, S.C., president of National Cottonseed Products Association, has announced committees for the sixtieth annual convention. The meeting will be held at the Statler Hilton Hotel in Dallas, May 21-22.

The general arrangements committee is composed of Joe Flaig, Simmons Cotton Oil Mills, as chairman; L. W. Althaus, Procter and Gamble Mfg. Co.; Bruce Coleman, The Englander Co.; Jas. R. Gill, Southland Cotton Oil Co.; Dick Haughton, Jr., The Cotton Gin and Oil Mill Press; and Louis Tobian, Louis Tobian & Co.

Appointed to the golf committee are: Carr Robinson, Robinson-Adams Co. as chairman; T. H. Hughston, Strader-Hughston Co.; W. H. Kutner, Merrill Lynch, Pierce, Fenner & Beane, W. A. Logan, Lacy-Logan Co., Chad Ogden, Chase Bag Co., and W. B. Vaughan, Kimbell-Norris Mills.

Business sessions will be featured by addresses by several outstanding speakers. An attractive entertainment program is being planned, concluding with a dinner and dance on Tuesday evening, May 22. Preceding the general convention, the rules committee will meet on May 18 and the chemists' committee on May 17.

Castor Bean Equipment To Be Sold by ASC

The New Mexico ASC committee has been authorized to dispose of all CCC castor bean harvesting equipment in the state. The equipment, located at Clovis, Tucumcari, Lesbia and Lemitar, will be sold to the highest bidder, based on sealed bids received in the state ASC office, P. O. Box 362, Albuquerque.

The equipment includes bin surge and scale hoppers, conveyors, harvesters, hullers, combines, loaders and others.

Feed Association To Meet

Golf as well as important business is planned when the North Carolina Feed Manufacturers' Association holds its summer convention at Fort Sumter Hotel, Charleston, S.C., Aug. 10-11. The historic site is expected to provide special entertainment for the ladies present. Program details will be announced later by J. Louis Maxwell, Jr., Goldsboro Milling Co., secretary-treasurer.



A. M. ALTSCHUL

CCC Sells to Exporters On Installment Plan

USDA recently announced that CCC initiated, effective Feb. 7, a program for sales to exporters on credit in an effort to reduce government holdings and save in storage costs.

Until now, all CCC transactions have been for barter or cash. Sales credit will be extended up to three years at interest rates chosen by CCC. At the present, these rates are three percent for periods of up to six months, 3.5 percent for 18 months and four percent for 36 months.

Customary channels and facilities of trade will be used in the program.

N. C. Hamner, Oil Chemist, Dies Feb. 15 in Dallas

Dr. N. C. Hamner, longtime leader among vegetable oil chemists, died in Dallas on Feb. 15. Services were held Feb. 18. He was vice-president of Southwestern Laboratories, Dallas, and of Fort Worth Laboratories, Fort Worth.

Mrs. Albert Jordan Dies

Friends throughout the crushing industry have been saddened by the recent death of Mrs. Albert Jordan of Hartsville, S.C. She and her husband, who was associated with Hartsville Oil Mill for many years until his death in 1953, were widely known in the industry.

She is survived by four daughters: Mrs. Jesse H. Washburn, and Mrs. Earl N. Phillips, both of High Point, N.C.; Mrs. W. P. Timmerman, of Hartsville, and Mildred Jordan of Atlanta; one sister, Mrs. Ella M. Henderson of Atlanta and nine grandchildren.



E. A. GASTROCK

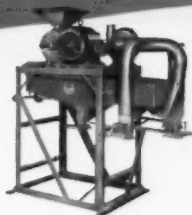
On Program for Processing Clinic

TWO SCIENTISTS who will be on the program of the fifth Cottonseed Processing Clinic at the Southern Regional Research Laboratory in New Orleans, March 12-13, are shown here. E. A. Gastrock, Engineering and Development Section, will summarize cottonseed products research; and A. M. Altschul, Oilseed Section, will discuss the status of chemical methods of determining the nutritive value of cottonseed meal. The clinic is sponsored jointly by USDA and Valley Oilseed Processors' Association, and the complete program appeared in The Press on Feb. 11.

MODERNIZE YOUR MILL WITH KELLY-DUPLEX DEPENDABLE MILL EQUIPMENT for top service and economy . . . increased profits!



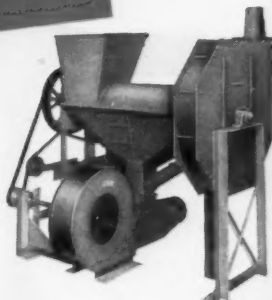
Cob Crusher for making Poultry Litter



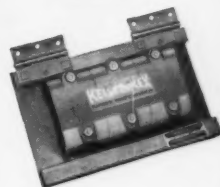
Corn Cutter and Grader with Aspirator



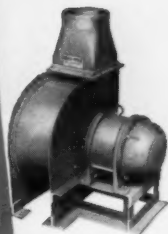
Vertical Feed Mixer
½ to 5 tons and larger



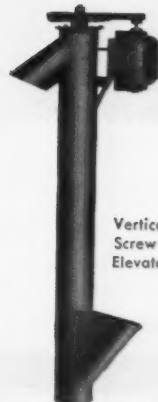
Corn Sheller with blowers for grain and cobs



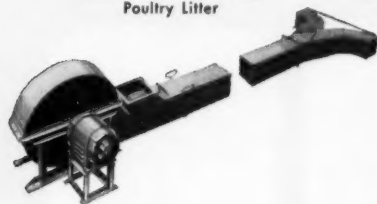
Magnetic Separator protects mill machinery



Grain Blower & Exhaust Fan



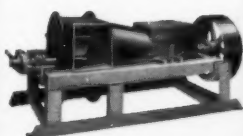
Vertical Screw Elevator



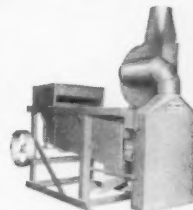
Forced Air Carloader with motor or belt drive



Twin Molasses Mixer



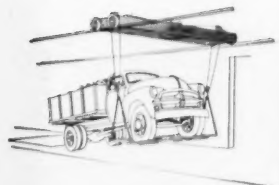
Regular and Pitless Corn Shellers



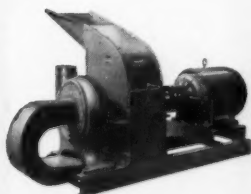
Corn Scalper with or without air cleaner



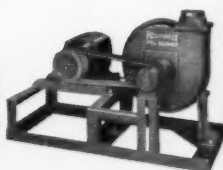
Chain Drag in double and single geared types



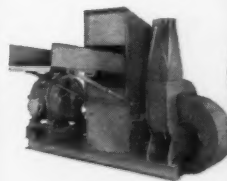
Electric Truck Hoist cuts handling costs



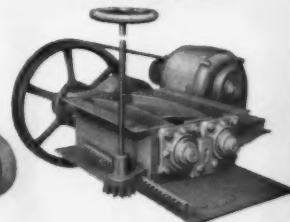
Model "M" Hammermill with direct connected motor



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Model "S" Wide Throat Hammermill



Corn Crusher and Feed Regulator



Grain Feeder

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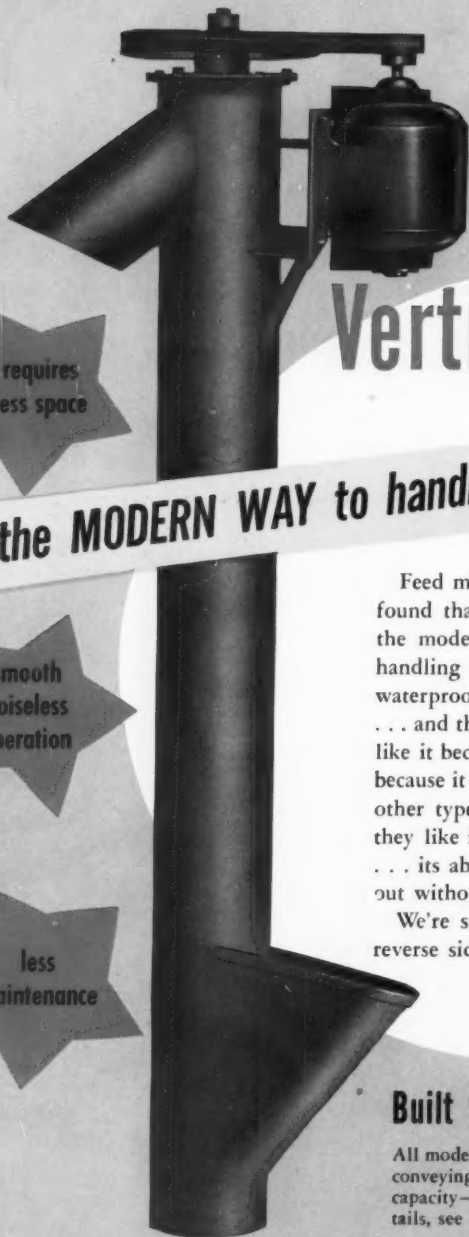
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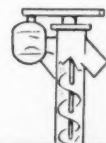
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maintenance

Feed mill and elevator men all over the country have found that the Kelly Duplex Vertical Screw Elevator is the modern, money-saving solution for every material handling problem. They know that it's dustproof and waterproof . . . that it reduces accident and fire hazard . . . and that it requires less space, is easy to install. They like it because it's smooth and noiseless in operation . . . because it assures efficient, uniform delivery of grain and other types of free-flowing bulk materials. Best of all, they like it for its rugged, all welded steel construction . . . its ability to give top performance year in and year out without costly breakdowns and repairs.

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All models furnished in choice of 6", 9" or 12" conveying tubes. Hoppers are available in any capacity—spouts in any length. For other details, see illustrations at right.



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as viewed from The "PRESS" Box

• You Can't Hide It

YOU CAN'T HIDE eight million bales of cotton, Assistant Secretary of Agriculture Earl Butz pointed out in a recent speech in North Carolina. He warned that growers cannot continue producing cotton largely for the government to store. "The continued high price of cotton has spurred production of synthetic fibers," he added, "until taking the world as a whole, synthetic fiber production is the equivalent of approximately 13 million bales of cotton annually."

By the time a farmer has been throttled down to three or four acres of cotton, commented the USDA official, "there isn't much that any kind of price support system can do for him. When a commodity gets itself into the fix of producing for the government rather than producing for a growing market, it almost always find a ceiling placed on opportunity."

Assistant Secretary Butz will address the Texas Cotton Ginners' convention in Dallas next month.

• A Week That's Worthy

A WEEK that's worth the attention of all of us who have anything to do with agriculture or farm folks is being observed March 3-11. It's National 4-H Club Week, a recognition of real service—in contrast to some of the silly publicity "weeks" that are dreamed up.

The work of 4-H Clubs—and the Vocational Agriculture counterpart, Future Farmers of America—has been of immeasurable value to this country. It has answered the question, "How can you keep them down on the farm?" in thousands of cases, and it has made those farms more productive and more profitable. Better still, it has helped to mold youngsters into good citizens and has provided many leaders in agriculture and business today.

Close cooperation with 4-H and Future Farmer activities is the policy of most gins and oil mills, but closer cooperation would be a fine goal for any that are not doing everything they can to help this program. And, a special word of praise for any 4-H Club member we know would be most timely during their own special week of March 3-11.

• Foreign Roundup

"TRADING IN COMPETITIVE Markets." USDA's annual graphic roundup of the world agricultural situation, with emphasis on how it affects exports of U.S. farm products, has just been published by the Foreign Agricultural Service. The publication consists of 78 pages, 105 maps and charts and 73 reference tables. Copies may be obtained free by writing the Foreign Agricultural Service's information division, of USDA, Washington.

• Needs More Than Salad

A WORKING GAL needs more than salads and that includes cows too. New Mexico Extension Dairyman E. E. An-

derson tells dairymen that cows' appetites may be perked up this winter with tempting, juicy salads of sorghum or corn silage, but this feed cannot do the job alone. He says sorghum and corn silage is not high enough in protein and needs adequate protein concentrate to supplement it. In most cases it will pay to feed 6 to 8 pounds of hay per head daily.

• Homecooking on Skids

RECENT REPORTS from USDA show that mother's homecooking is losing ground—especially down on the farm. There's a trend among farm women to buy food requiring less preparation in the home. Chances are the apple pie fresh out of the oven is less than an hour away from the super market. And that's not all Farmer Brown and his family are doing—TV sets, automobiles, home appliances, telephones, and restaurant dinners are getting to be as common with the "south 40" set as with his city cousins—despite higher consumer prices and a decline in farm income.

• How Many Bolls?

AND NOW FOR \$64,000—how many cotton bolls are there to an acre? There have been three successive years of record-high yields of cotton per acre—324 pounds in 1953; 341 pounds in 1954; and 431 pounds in 1955. And over an even longer period of time, the average yield has come from 162 pounds in the 1920's to 1955's 431 pounds. There certainly are more bolls in an acre now than there used to be. For purposes of estimating, one acre can be cut into smaller areas for making counts. About 10 feet of a row is the best size to use in boll counting, according to USDA. An Arkansas planter and ginner estimated about 9½ large bolls per foot of row. According to some farmers in the Central Belt the "thumb" rule—"10 bolls per foot of row will make a bale to the acre."

• Beef Battle Brewing

HOUSTON, down where beef's big business, is in the midst of a brewing beef battle. It's all over the question of the location of packing plants and other meat industry units in the city. Two city councilmen have proposed an ordinance which would prohibit the remodeling, alteration or maintenance of existing abattoirs, and spokesmen for packers, the stockyards and other groups have opposed the proposal.

• Alabama Charcoal Boom

CHARCOAL PRODUCTION in Alabama on an individual farm basis has created a lot of interest along the state's eastern border and other areas, reports Windell Vickery, Extension specialist. Vickery said the advantage of charcoal burning for the farmer is that he can have profitable work for slack seasons by investing in a relatively inexpensive kiln. An operator with one small kiln is able to turn out up to 1,500 pounds

of charcoal a week, earning as much as \$50 for his investment, raw material, and labor. Considering that the kiln can be constructed for around \$300 and that raw material for charcoal is cull hardwood trees, the return on labor is quite high, Vickery pointed out.

• Data on Texas Cotton

A HANDY SOURCE of information on Texas cotton is now available from Texas A. & M. College, College Station. It is "Cotton Statistics for Texas, 1947-54," which may be obtained without charge. C. A. Bonnen is the author of the publication.

• New Grass for Dust Bowl

A NEW GRASS which may help to prevent future dust bowls has been announced by Oklahoma Experiment Station. The station said five years of testing have shown it will grow in the "blow" regions of western Oklahoma, the Texas Panhandle and immediately adjacent areas of New Mexico, Colorado and Kansas.

The new strain is named Coronado after the early-day Spaniard who tramped the same area of the Southwest.

The plant, an improved strain of side-oats grama, is so new seed won't be available for general planting for another year.

Coronado was developed from seeds found by Dr. Jack Harlan near Encino, N.M., in 1946.

• Whale of a Time

ABOUT 12,000 MINK on a dozen new ranches under government sponsorship in Newfoundland are subsisting on 6,000 pothead whales driven ashore in 1955 in Trinity and Bonavista Bays. The whale fat is used in production of oil and the meat is kept frozen for mink suppers.

• Moo! My Aching Molar

THE AMERICAN Foundation for Animal Health urged cattlemen to give more attention to the dental care of cattle which fail to eat properly or to produce a normal supply of milk or meat. The Foundation said owners often overlook the fact that defective teeth may be the cause of indigestion and general discomfort in otherwise healthy cattle. An example comes from a case involving an apparently healthy cow who first lost her appetite and then refused to eat at all. Upon examination the veterinarian found her teeth were so sharp they caused pain when she chewed.

• Big Big-Apple

A BIG-APPLE Winesap sport recently produced may enable scientists to develop some varieties of the quality and size wanted. The new sport from USDA research is tetraploid, with four sets of 17 chromosomes (68 in all) in each cell. Crossed with diploids—varieties with two sets—it would produce triploids with three sets. Doubling chromosomes usually means bigger fruits, too big in some cases. But the diploid Winesap, basically one of the best apples, usually gives small-apple progeny when crossed with other small-fruited apples. If, after the new apple tree has matured, the fruit is too big for marketing, other varieties could benefit by incorporating Winesap quality and disease resistance into their make-ups.

• Superintendents Plan West Coast Meeting

OIL MILL superintendents of the West Coast Division of the International Oil Mill Superintendents' Association will gather March 16-18 at the Lafayette Hotel, Long Beach, Calif., for their ninth divisional meeting.

H. F. Crossno, Los Angeles, and K. B. Smith, Fresno, are co-chairmen for the meeting, with E. D. Hudson, Fresno, and W. S. Switzer, Bakersfield, as members of the program committee.

Other committees include:

Registration—Burns H. Hamlett, Los Angeles.

Membership Committee—C. E. Stewart, chairman, Los Angeles; J. F. Ray, Phoenix; C. L. Sterner, Bakersfield.

Entertainment Committee—L. Martinusen, chairman, Montebello, Calif.; J. A. Barrington, Torrance, Calif.; H. Lindsay, Maywood, Calif.

Welcome Committee—A. Spanur, Jr., chairman, Long Beach, Calif.; J. F. Marsh, Wilmington, Calif.; W. W. White, Long Beach, Calif.

Golf Committee—H. C. Barrington, chairman, Torrance, Calif.; L. U. Cole, Fort Worth; C. C. Conzett, Los Angeles.

Chairman and Location Committee—G. A. Ward, chairman, Phoenix, Ariz.; W. G. Davis, Jr., Kingsburg, Calif.; C. R. Hogrefe, Los Angeles; W. D. Horne, Los Angeles; E. D. Hudson, Fresno; C. A. Piercey, Gilbert, Ariz.; W. S. Switzer, Bakersfield, Calif.

• Speakers Listed — Business sessions

Even the Army Is Getting Better

The world is getting better—even the U.S. Army—as the following news from Fort Lee, Va., proves. That bugler which so many GI's planned to murder as soon as they returned to civilian life is a thing of the past—at least at Fort Lee.

"I can't get 'em up" still sounds in the morning, but it is broadcast over 35 loudspeakers by 22 pretty girls—telephone operators. The Fort Lee report didn't say so, but we're confident that this change causes all of the soldiers to spring happily from their bunks, brightly ready for the day's duties.



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will be opened at 8:55 a.m. by Crossno. W. L. Dickinson, Wilmington, Calif., will give the address of welcome; and W. C. Davis, Jr., Kingsburg, Calif., will respond.

"A New Process in Refining" will be discussed by E. D. Hudson, Fresno.

L. U. Cole, Fort Worth, will be moderator for a panel on seed and lint cleaning, with the following members: F. O. Davis, Phoenix; J. Galloway, Fresno; K. B. Smith, Fresno; C. L. Sterner, Bakersfield; F. C. Vesey, El Paso; and W. C. Whittecar, Lubbock.

Lint grading will be discussed by M. Cocke of Bell, Calif.; and the morning session will end with a panel discussion of Expeller and screw press operations. G. A. Ward, Phoenix, will be moderator, with the following panel members: H. F. Crossno, Los Angeles; W. D. Horne, Los Angeles; C. A. Piercey, Gilbert, Ariz.; A. Spanur, Jr., Long Beach, Calif.; W. S. Switzer, Bakersfield, Calif.; H. L. Tamborini, Los Angeles.

The afternoon session will open with an address, "Improvements in Drying and Cleaning of Seed Cotton," by R. D. Day, Fresno.

R. Altman, Los Angeles, will talk on cattle feeding; and there will be an open discussion of plans for the tenth divisional meeting.

The Sunday morning session will hear a report from Mrs. Leona I. Meeks, Bell, Calif., president of the West Coast Ladies Auxiliary.

R. A. Calhoun, Los Angeles, will discuss "Safety and Insurance;" and E. N. Eastman, Los Angeles, will talk on "New Developments in Scales."

Oil milling in general will be the subject for a panel discussion moderated by C. R. Hogrefe, Los Angeles. Panel members will be: W. G. Davis, Jr., Kingsburg, Calif.; A. J. Falkenberg, South Gate, Calif.; E. A. Garner, Chowchilla, Calif.; E. R. Quinn, Los Angeles; J. F. Ray, Phoenix; C. L. Sterner, Bakersfield, Calif.

• Entertainment Planned — Entertainment will include a get-together party on Friday evening; a meeting and luncheon for the Ladies Auxiliary Saturday; cocktail party, banquet and dance Saturday evening; and coffee hour for the ladies Sunday morning.

■ GARLON A. HARPER, assistant director, Educational Service, National Cottonseed Products Association, addressed the Arlington Rotary Club on Feb. 9.

Help the seed you treat produce more cotton...

Use a Du Pont Seed Disinfectant



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SLURRY



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BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY



Superior seed protection improves stands and boosts cotton yields. With a Du Pont Seed Disinfectant, it's easy to offer maximum protection on cottonseed. There are liquid, slurry or dry formulations . . . to provide top effectiveness in any type treating equipment.

Du Pont Liquid 365 is for use in slurry treaters or direct in the new mist-type ready-mix treaters. It contains two kinds of mercury—to reach hidden disease and for long-lasting effectiveness. Seed is protected from rots and seedling blights caused by seed- and soil-borne organisms, and gets a uniform red coloring to assure easy identification.

Ceresan® M-2x is the outstanding slurry treatment for cottonseed. It offers dustless treating, handling and planting. Saves you work in handling, too, because it's double strength. And with the handy 5-lb. package there's no scooping from bulk. This gives you exact measurement—to cut the risk of improper treating rates.

Ceresan® M is the product for dry treating. It's the original mercurial seed disinfectant. Build extra business by stocking "Ceresan" M for the customers who treat their seed at home.

On all chemicals always follow directions for application. Where warning or caution statements on use of the product are given, read them carefully.

• Cotton Duck Study Issued by Council

EXCELLENT OPPORTUNITIES for expansion of cotton duck consumption exist, but it will take more research and promotion to gain these markets or even to hold existing markets in face of increased competition.

This is the conclusion of Charlie W. Russell, staff member, in a new publication of the National Cotton Council, "Cotton Duck — Industry — Products — Uses."

Fields for expansion include the use of duck in awnings, carpets and rugs, hose, luggage, machinery belts, shoes, tarpaulins and tents.

Cotton duck is produced by approximately 75 to 80 weaving mills in the cotton broad woven fabrics industry. Duck is one of the most important fabrics produced by the industry, accounting for six percent of the total value of products shipped.

In peacetime, duck represents a market for a half million bales of cotton annually; in an all-out war, the market increases to almost three times this amount. Most of the market, 75 percent, is for cotton in staple lengths of 15/16 to 1-1/32 inches. Duck accounted for 6.7 percent of the production of cotton in these staple lengths in 1952.

Peacetime annual production of cotton duck increased from 170 million linear yards in 1939 to an average of 203 million yards in 1947-1949, and to 245 million yards in 1953-54. Though the growth in peacetime military requirements has accounted for part of this increase, most of the increase has resulted from gains in consumption of duck in



CHARLIE W. RUSSELL

civilian end uses such as awnings, carpets and rugs, clothing, and shoes.

Industrial uses provide the principal market outlets for cotton duck, though apparel and household uses have increased in importance in recent years. Cotton duck has held its traditional industrial markets through the years because of general quality superiority and a price advantage over competing materials. It has fared much better than cotton as a whole in the industrial market. Even so, cotton duck is beginning to encounter intense competition from other materials in some of these uses.

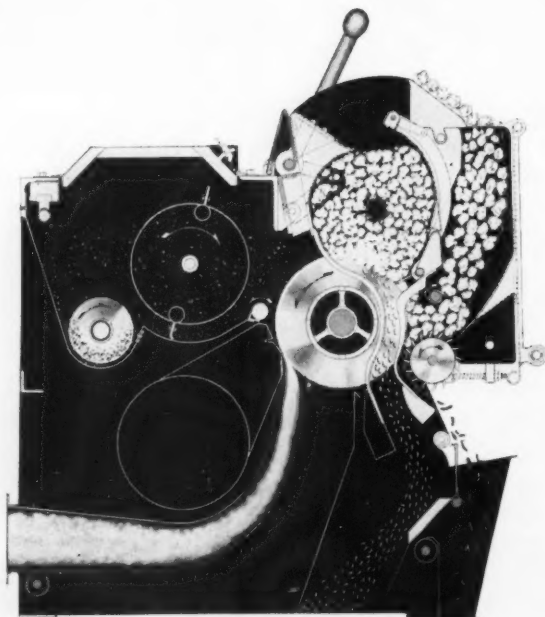
Synthetic fibers are gaining in automobile tops, industrial hose, machinery belts, sails, and tarpaulins, the study shows.

Military uses represent an important market outlet for cotton duck. Conversely, cotton duck has always been a vital material to the military establishment. Most important uses, as far as duck is concerned, are tarpaulins and tents. Cotton duck has held virtually all of the military market up to this time; but military specifications are being changed rapidly and concerted efforts are being made to push synthetic materials into this market. It is imperative that cotton duck weavers, and the cotton industry as a whole, keep abreast of the military situation and see that cotton duck receives fair consideration when changes are made, Russell concludes.

Texas Water Users Must Report to State Board

March 1 is the deadline for the filing of a report on water used by anyone taking water from Texas streams, natural water courses or from reservoirs located on such courses, the State Board of Water Engineers points out. Forms may be obtained from county agents or the State Board, 1410 Lavaca Street, Austin.

The reports are required under a law passed last year and will be used in making an inventory of all Texas surface water. No report is required from those using underground water for any purpose or from users of surface water for domestic or stock-raising purposes, only.



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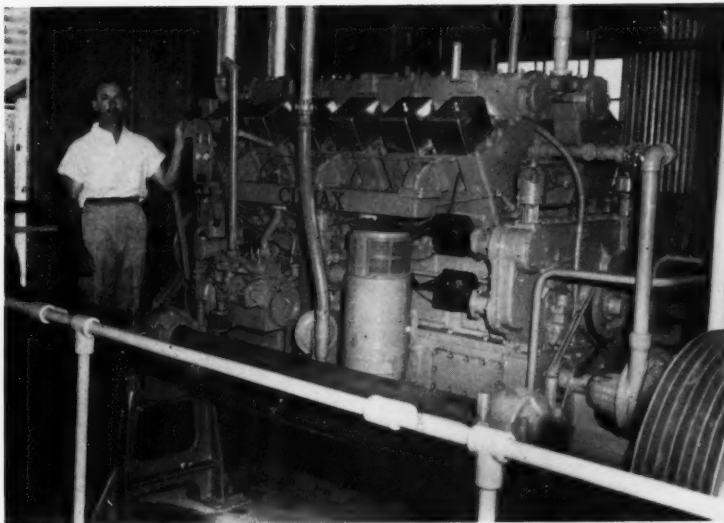
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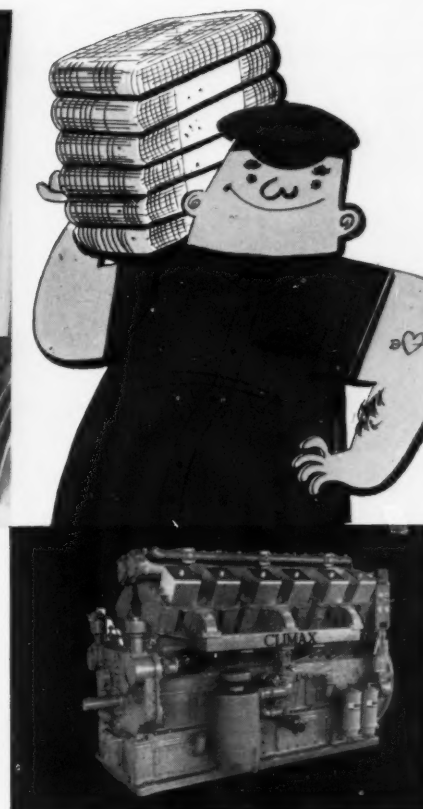
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- ✓ All models have the Climax consistent design that makes possible maximum interchangeability of wearing parts.



Climax V-125, 12 cylinder, 7½ x 7 engine with a 3711 Cubic Inch Displacement.

In 1953, the Gulf Coast Gin Company installed a Climax V-125 engine to drive fans, heaters, cleaners, gin stands and presses in their new, modern gin.

Looking back on two years of operation, Mr. Smajstrla reports, "Plenty of reserve power, fuel economy and minimum downtime have been high points in the top performance of our Climax V-125, and we look forward to many more years of trouble-free service." Why not benefit from this experience and consult your nearby Climax distributor for full details.

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OFFICERS ELECTED by the Alabama and Carolinas ginners' organizations are shown here. In the picture on the left, l. to r. are: Alabama officers Ralph Norman, Fort Deposit, president; Tom Murray, Atlanta, executive vice-president and treasurer; and H. E. Donaldson, Opp, vice-president. Not shown is Vice-President George Steifelmeyer of Cullman. On the right, the picture shows Carolinas officers. Left to right, they are C. A. Harvin, Summerton, S.C., president; Forrest S. Crowder, Lattimore, N.C., vice-president; and Clifford H. Hardy, Bennettsville, S.C., executive vice-president. Talley E. Smith, Rowesville, S.C., vice-president, was not available when the picture was made.

• Ginners' Groups Meet, Elect '56 Officers

MORE than 700 ginners and members of allied industries registered for the Southeastern Gin Suppliers' Exhibit and joint meeting of Alabama-Florida, Carolinas and Georgia Cotton Ginners' Associations Feb. 13-15 at the Biltmore Hotel in Atlanta.

Displays, business programs and entertainment features of the event all proved popular with the ginners and their families and the interest shown was gratifying to firms exhibiting.

• **Officers Elected** — Final feature of the business program was the election of officers and directors at the three separate meetings held by the state ginners' groups.

Alabama-Florida Cotton Ginners' Association re-elected its officers: Ralph R. Norman of Fort Deposit, president; H. E. Donaldson of Opp, and George Steifelmeyer of Cullman, vice-presidents; and Tom Murray, Atlanta, executive vice-president and treasurer.

Carolinas Ginners' Association officers for the coming year are C. A. Harvin, Jr., Summerton, S.C., president; Forrest S. Crowder, Lattimore, N.C. and Talley E. Smith, Rowesville, S.C., vice-presidents; and Clifford H. Hardy, Bennettsville, S.C., executive secretary-treasurer.

Georgia Cotton Ginners' Association officers are Oscar Garrison, Homer, president; Sam Smith, Cartersville, and Richard Chambers, Madison, vice-presidents; and Tom Murray, Atlanta, executive vice-president and treasurer.

• **Business Program** — Sam Smith of the Georgia Association called the initial business session to order on the morning of Feb. 14 and Mayor William B. Hartsfield of Atlanta welcomed the ginners. Edwin Shiver, a director of the Georgia Association, responded.

Claude L. Welch, director of the production and marketing division of the National Cotton Council, Memphis; and Herman E. Talmadge, former governor of Georgia, were the guest speakers at this session.

Following a noon luncheon, W. J. Long, president of the Carolinas' group

for 1955, called the afternoon session to order.

Otto Goedecke, cotton merchant of Hallettsville, Texas, and Congressman John J. Flynt, Jr., Griffin, Georgia, addressed the meeting.

President Norman of the Alabama-Florida Association presided at the Feb. 15 general session, which heard an address by Robert Garrison, Clemson, S.C., president of the International Crop Improvement Association.

"Problems Affecting Ginners" was the topic for a panel discussion. Moderator was Dr. C. C. Murray, Athens, dean of the University of Georgia College of Agriculture. Panel members included R. L. Gatewood, Atlanta, Southeastern Underwriters' Association; James L. Luscombe, Clemson, S.C., in charge, Southeastern Cotton Ginning Research Laboratory; J. C. Oglesbee, Jr., Atlanta, USDA specialist; and J. L. Channell, vice-president, Opp Cotton Mills, Opp, Ala.

A banquet and floor show that evening was the final event of the meeting. Ladies entertainment included the noon

luncheon on Feb. 13, a tea and style show on Feb. 14 and "Holiday on Ice of 1956" on Feb. 15.

India Increases Output as Oilseed, Cotton Acres Up

Total acreage devoted to oilseeds in India in 1954-55 increased by 1.8 million acres over 1953-54 and cotton acreage increased 1.3 million acres. Overall crop production was good although below 1953-54. Oilseed production was up in 1954-55. Cotton production has increased 8.4 percent in 1954-55 over 1953-54. This trend is expected to continue and irrigation is expanding with increased production, according to USDA.

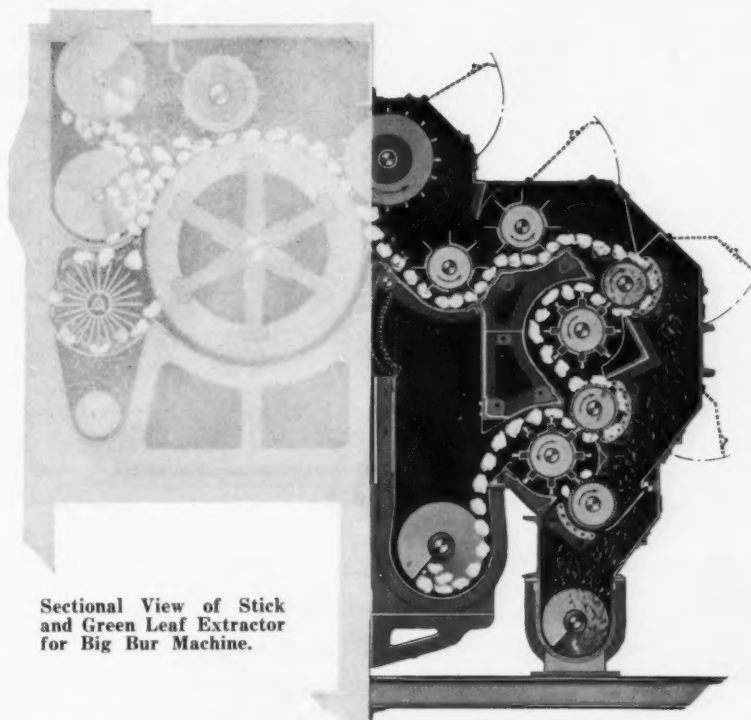
■ F. B. CALDWELL, SR., Jackson, Tenn., was unable to attend the Feb. 17 meeting of directors of National Cottonseed Products Association because of a broken limb caused by a fall in his home.

GEORGIA GINNERS named these officers at their recent annual meeting, left to right: Tom Murray, Atlanta, executive vice-president and treasurer; Oscar Garrison, Homer, president; and Sam Smith, Cartersville, vice-president. Not shown is Richard Chambers, Madison, also named vice-president.



The HARDWICKE-ETTER Big Bur Extractor

WITH GREEN LEAF AND STICK REMOVER ATTACHMENT



Sectional View of Stick
and Green Leaf Extractor
for Big Bur Machine.

★ WELCOME to the Midsouth Gin Supply Exhibit in Memphis on March 12-13-14—
and a cordial invitation to stop by our exhibit to see the Hardwicke-Etter
Big Bur Extractor With Green Leaf and Stick Remover Attachment. It has undergone
exhaustive field tests and will be a boon to ginners who face the problem
of properly ginning rough-harvested cotton.

★ WHILE IN MEMPHIS, be sure to visit the West Memphis Gin & Supply Co. Plant
at West Memphis, Ark., to see this outstanding piece of equipment demon-
strated and observe the remarkable results it gives. This is an important step toward
better ginning it will pay you to investigate. The equipment will be demon-
strated on each of the three days of the Memphis meeting.

★ COMPLETE stock of parts at our own warehouse, 238 So. Front Street in Memphis,
Johnnie C. Carlson, Mgr.

HARDWICKE-ETTER COMPANY
MANUFACTURERS SHERMAN, TEXAS

• Oklahoma Ginners' Speakers Listed

GINNERS and allied industry representatives will hear discussions of timely cotton subjects at the annual convention of Oklahoma Cotton Ginners' Association March 9-10 at the Skirvin Hotel in Oklahoma City.

Registration starts at 9:30 a.m. Friday, March 9, and the first business session begins at 1 p.m. with an address by M. N. Pannell, Lawton, president. Sam LaFaver, Watonga, and Carl Fox, Hollis, are vice-presidents; and J. D. Fleming, Oklahoma City, is secretary-treasurer.

"Is Cotton Meeting Its Competition at the Mill Door?" will be discussed by F. S. Love, Charlotte, N.C., secretary-treasurer, American Cotton Manufacturers' Institute.

Clifton Kirkpatrick, Memphis, director of the National Cotton Council field service, will talk on "The Cotton Industry's United Approach to Its Opportunities."

Workmen's compensation rates will be the subject for Gerald L. Harris, Oklahoma City, safety engineer, Liberty Mutual Insurance Co.

State winners in the 4-H and FFA cotton contests will be introduced at the dinner dance that evening in the Persian Room of the Skirvin Tower Hotel. Evelyn LaRue Pittman Choir will provide entertainment.

The final business session on Saturday morning will hear reports of officers and committees, elect officers and transact other business.

Jay G. Porterfield, Stillwater, chair-



J. D. FLEMING

man of the Oklahoma A. & M. College research and educational committee, will lead a panel discussion on the state's research and educational program for cotton.

■ H. L. HILDEWEIN, assistant Extension director at New Mexico A. & M., will retire March 31, Dr. R. A. Nichols, dean and director of agriculture, recently announced. Hildewein has been engaged in Extension work for 39 years in Kansas and New Mexico.

Arizona Committee Named For Cotton Week

A ten-man committee of growers and cotton industry men has been chosen by J. Clyde Wilson, Buckeye, president of Arizona Cotton Growers' Association, to handle promotional activities for Arizona Cotton Week, May 14-19. Committee duties include choosing a junior Maid of Cotton and sponsoring a poster contest to determine a slogan for Cotton Week.

Members of the committee are: Roy Miller, Tucson, chairman; Wilson; Fred Porter, Jr., Phoenix; F. C. Layton, Thatcher; John Obermeyer, Phoenix; Ade Abbott, Tucson; Walt Switzer, Phoenix; Cecil Colletterie, Casa Grande; Henry Berg, Phoenix; and Dan W. Clarke, Tucson.

Nitrated Pastures Are Dangerous for Cattle

Nitrate, which acts as a tonic for plants on which it is spread this time of year, can be very poisonous to cattle. And frequently cattle left on freshly nitrated areas develop fatal cases of nitrate poisoning.

For this reason, Alabama Extension Livestockman W. H. Gregory warns cattlemen to keep their herds off grazing that's been freshly top-dressed with nitrogen. High concentration of nitrogen materials in the plants immediately after application of the fertilizer is what affects cattle. Therefore it's not safe to put the animals back on a nitrated field for about a week after the first good rain following fertilization.

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ORIGINATOR OF
DELTAPINE
PLANTING SEED
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**Breeder's Registered
DELTAPINE 15**

**Breeder's Registered
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Fast Fruiting • Early Maturing
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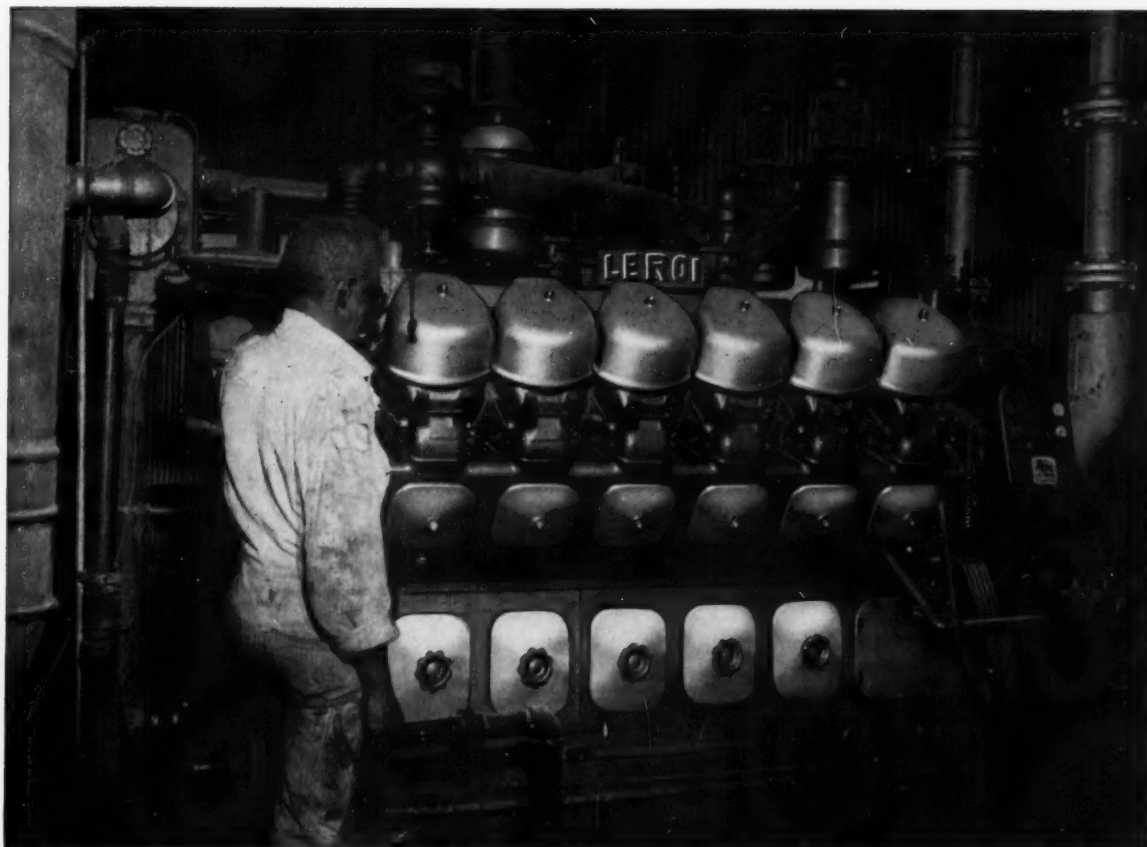
Leads them all year after year!

More than one-third of the entire U. S. cotton acreage is planted to Deltapine Cottons year after year. Place your order for Breeder's Registered Seed, now. Write, wire or phone Sales Department.

DELTA & PINE LAND CO.
SCOTT, MISSISSIPPI

We have a moderate amount of Breeder's Registered Seed of a new 1½-inch strain Deltapine, Deltapine Staple.

Breeders of the Bell's Best Cottons



*no overhaul and no repairs
needed for **Le Roi** L3460
engine in five years
of operation*

MANY ginners will tell you that their Le Roi engines operate for years without shut-downs. The Le Roi L3460 engine owned by Mound Bayou Gin Company at Mound Bayou, Mississippi, is typical. It has run for five years without needing an overhaul or repairs.

One reason for the money-saving dependability of Le Roi engines is that they are designed for cotton-gin and mill service. They have the weight and stamina to take heavy loads over long operating periods. Yet, they require less floor space than other engines of similar horsepower ratings.

The Le Roi L3460 engine at Mound Bayou Gin Company runs on natural gas — the same low-cost fuel that is used for the dryers and other equipment.

In the Le Roi size range from 40 to 510 continuous hp, there's an engine with plenty of power for all your requirements — ginning, pressing, cleaning, delinting, plus all the accessories used in a modern installation.

Le Roi distributors with complete stocks of parts and experienced personnel are close-by in every cotton-producing area. Ask your distributor to tell you more about Le Roi engines — or write us for literature.

LE ROI



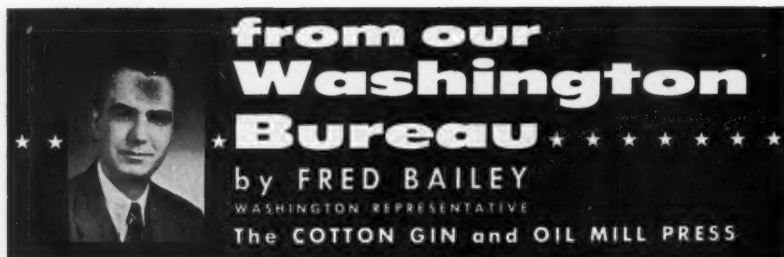
Division of Westinghouse Air Brake Co.

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PORTABLE AIR COMPRESSORS • TRACTAIR • STATIONARY AIR COMPRESSORS • AIR TOOLS • ENGINES

F-34



• **Farm Bill Fight Hot** — Time and tempers are getting short as Congress struggles to send a new farm program to the White House within the next 30 days. And it may all go for naught unless that bill is acceptable to the President.

Observers here think April 1 is the deadline for getting the Soil Bank, heart of the new bill, into law if it is to be even partially effective this year. Opinion is that passage will be uncomfortably close to that date.

Early passage of a new farm law is vastly complicated by the violent clash of views over price supports. There has been no sign that the backers of either high supports or flexibles are even thinking about giving in or compromising.

This no-compromise attitude on 90 percent parity supports was emphasized when the Senate took up debate on the farm bill and the House Agriculture Committee opened hearings on "the farm problem" generally. The House has no bill before it, having sent its 90 percent price propper to the Senate last year.

• **Split Doesn't Help** — The situation in Congress isn't helped by the three-way split of the major farm organizations. The Farm Bureau is pulling out all the stops in an effort to knock out the 90 percent supports and assure continued use of flexibles. The Farmers Union is working equally hard to restore 90 percent supports, while the National Grange is keeping hands off on the support issue.

The Grange continues to insist that the answer to farm difficulties is not to be found in the level of price supports and that continued reliance on those—whether high or low—would only lead farmers into deeper difficulties.

Pretty much the same division exists over whether to return to the old parity formula, or to permit the modernized formula to continue in effect. For cotton, corn, wheat and a few other commodities the modernized parity results in lower supports.

There is talk around Congress that the Republican National Committee is getting into the act with a \$250,000 "educational fund" intended to popularize flexible supports. The Committee won't confirm the amount, but says it is considering a campaign along that line.

Two earlier proposals for farm legislation now seem to have been lost in the shuffle. One is the limitation on the amount of support money any one farmer could receive; the other a support rate higher for small farmers than for larger. Opinion seems to be that both would be politically desirable, but unworkable in practice.

• **Soil Bank Unopposed** — Whatever opposition there ever was to the Soil Bank proposal seems to have melted away. There still are differences of opinion

over details, but those are no great obstacle to passage.

The Farm Bureau, which claims to have originated the Soil Bank idea, still insists that compliance be made compulsory. But that probably is a losing battle in the face of Administration insistence on voluntary participation. It is one of the few times that Benson and the Bureau have differed so sharply.

About the only question concerning the Soil Bank is how effective it may be in (1) reducing production, (2) lowering the surplus stockpile and, (3) raising farm income this year. Those questions are in the minds of a good many backers of the bill.

• **May Cut Lint Five Percent** — Unofficial estimates here are that the maximum amount of cotton acreage that would be taken out this year is 10 percent of the national 17-million acre allotment. That 10 percent, it is argued, would produce no more than 5 percent of the crop, chiefly because the acres would be the least productive on most farms. Fertilizer added to the remaining acres would increase yields.

Benefits to cotton growers are further questioned by other provisions in the bill, one of which would change the support base from 7/8-inch Middling to average of the crop. Even if cotton props stay at 90 percent of parity that would have the effect of reducing supports by about \$12 a bale.

Another cotton provision would establish a national reserve of one percent of the cotton allotment for increasing allotments to small farmers. In addition, a three percent state reserve would be established for the same purpose.

The consensus of farm-state congressmen and others who have studied the Soil Bank proposal is that it is a provision that should have been in the law long ago; that it is better to conserve fertility in the soil than to store it in bins and warehouses. But those who expect it to bring an early reversal of the farm recession are due to be disappointed.

The farm situation results directly from (a) restricted production due to declining markets, (b) falling prices at the same time that (c) operating costs have been rising. The Soil Bank promises no early reversal of any of those trends.

There is no contention here that the Bank, even if in full operation, would have any appreciable bolstering effect on market prices. Production still would be large enough to meet market needs, with some left over to go into government storage.

The beneficial effect could be that the amount going into government storage would be less than it has been; that eventually the government, through export programs, might be able to reduce the stockpile sufficiently to buoy

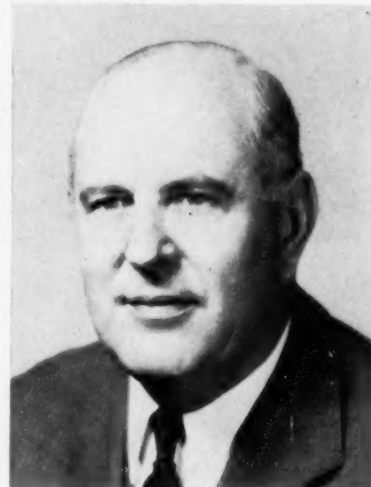
up prices. Time of that is estimated by Benson at three to four years.

The amount by which the program would reduce operating costs is highly debatable. Except for seed, fertilizer and gasoline the net reduction in operating costs of the average family-sized farm would be relatively small. It might not be large enough to off-set the contemplated 50 percent reduction in gross income of cotton growers, for example.

Those are some of the reasons why many congressmen are unwilling to rely on the Soil Bank plan to help farmers this year, ahead of the election. That is why, too, many of them are determined to force an immediate return, for this year and next, to higher price supports.

Czichos Is Named Assistant Head of Mill Department

E. F. Czichos, who has been division manager of all Swift & Co. cottonseed oil mills in the South, has been transferred to Chicago as assistant head of the organization's oil mill department, according to C. T. Prinderville, vice-president. Czichos has had his headquarters at Memphis.



E. F. CZICHOS

A veteran of 40 years in the oil mill business, Czichos joined Swift as a stenographer and scale clerk at the Waco, Texas, oil mill in 1915, at the age of 19.

He soon transferred to the district office at Houston, where he felt there was a good opportunity to learn more about the business. He left Houston for Army service during World War I, and returned to Swift at Waco. He held jobs there as gin bookkeeper, assistant cashier and cashier. In 1922, he was transferred to Memphis as cashier, and five years later was named manager of the Little Rock oil mill, where he served for 15 years.

Czichos moved to Dallas in 1942 as Southwest district manager, directing oil mill business in that territory. In 1952, Swift combined two oil mill districts—the Southwestern and South-eastern—and put the combined division under the supervision of Czichos.

Born in Cameron, Texas, Czichos was graduated from Lott, Texas, high school and studied bookkeeping, banking and shorthand at Waco.

TWO EXCELLENT GRADES:

INDIA STAR and SOUTHERN STAR

2 lb.
Jute Bagging



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ONE OF THESE
REPRESENTATIVES
FOR FAST
EFFICIENT
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To enable our customers to receive prompt shipment, we have stocks of Southern Star Bagging at Augusta as usual and India Star Bagging at Galveston, Houston and Gulfport.

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• Mrs. P. T. Pinckney Dies From Burns

MRS. P. T. PINCKNEY, Tiptonville, Tenn., died Feb. 18 in a Memphis hospital as a result of burns suffered in a fire which destroyed the Pinckney home in Tiptonville on the night of Feb. 16.

Her husband, vice-president and manager of the Lake County Oil Mill and a leader in the crushing industry for many years, was burned in the fire and taken to the Memphis hospital. His condition was reported at press time as encouraging.

Their home was destroyed by flames after the house was struck by lightning. Two fire departments responded to the alarm.

The couple barely escaped the flaming house. The bolt, which struck the house,

either did not awaken the occupants immediately or they were dazed temporarily by shock, firemen believe. They escaped through a rear window which led to a porch. They were outside their home when help arrived.

Mr. and Mrs. Pinckney are the parents of P. T. Pinckney, Jr., and Mrs. Barbara Pierce of Memphis, and the grandparents of Mrs. R. B. Paulus, of Frazier; and Pete and Elizabeth Pinckney of Memphis.

\$178,893 To Fight Beetle

Governor Goodwin Knight of California has asked for \$178,893 for use in fighting the Khapra beetle during the fiscal year 1956-57. The state spent about \$439,000 suppressing the pest of stored grain during the past fiscal year.

• Georgia Forming New Bale and Half Club

GEORGIA is starting a new "Bale and Half Per Acre Cotton Club" to recognize farmers who make that yield on all of their cotton acreage. J. R. Johnson, Extension agronomist, has announced.

Johnson said Georgia's cotton goal this year is one bale per acre. "The new club is designed to help attain this goal," he added.

Farmers entering the program will follow Extension Service recommendations on land selection and preparation, fertilization, variety, and cultural practices.

Complete records on labor, soil test reports, fertilization, insect control, cultivation, number of plants per acre, and other phases of cotton production will be furnished. Out of these, Johnson explained, will come information that will enable farmers to boost cotton yields in the future.

The agronomist said various segments of the cotton industry have teamed up to sponsor the Bale and Half Per Acre Cotton Club. Farmers have until June 1 to enter their cotton crops as a demonstration with the county agent.

Hoblitzelle Nominations Deadline April 1

Nominations for the 1956 Hoblitzelle Achievement Award consisting of \$5,000 and a gold medal, must be in by April 1, 1956, according to Fred Shaw, award secretary. The award will go to the professional worker in agriculture who has made the most worthwhile contribution in Texas during the past three years. Nominations must be submitted with material supporting the candidates. The presentation will be made at Texas Research Foundation at Renner.

Exchange Elects Avent

Thomas E. Avent, the Fresno manager of the Allenberg Cotton Co., Inc., is the new president of the Fresno Cotton Exchange.

He was elected to succeed A. M. Crawford, Jr., who automatically became a director of the exchange.

Other officers named were T. M. Perkins, Jr., vice-president; Arthur F. Crueger, secretary, and Leo Smith and Virgil L. Wright, Bakersfield, Kirby Sabin, Jr., Garland Roberts, Berson Frye and J. J. McNamara, all of Fresno, directors.

Cotton Soil Fumigation Improves Milo Yield

A soil fumigation test for cotton paid off for Shep Laassiter, Four Oaks, N.C., but not quite the way he had expected. When hail destroyed the cotton, Laassiter planted milo in the field and the yield of the grain sorghum was quite superior to that on untreated soil.

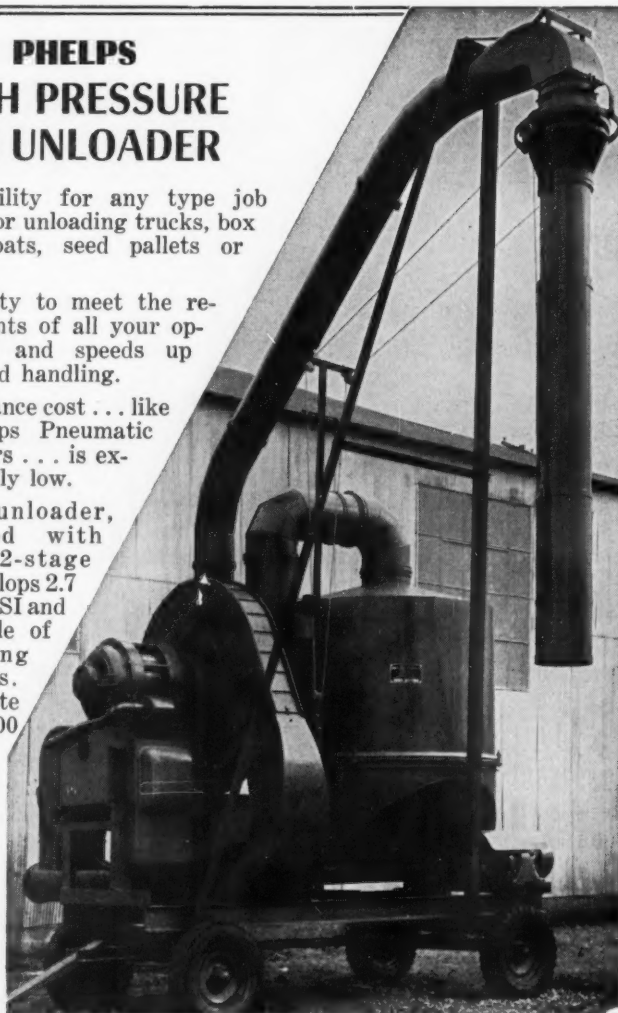
Second Cotton Picking

A second cotton picking season started the third week of February in Fresno County, Calif., for many cotton producers. Prevented from picking earlier by unfavorable weather, some producers were in their fields harvesting the crop for the first time.

PHELPS HIGH PRESSURE AIR UNLOADER

- ★ Adaptability for any type job loading or unloading trucks, box cars, boats, seed pallets or houses.
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Remember This?



It Happened in 1938 . . .

THE GROUP SHOWN HERE gathered in Memphis on Nov. 21-22, 1938, to form what was destined to become the most constructive and influential organization ever developed to serve all of the cotton industry. This was the organizational meeting of the National Cotton Council, and the speaker is the late Oscar Johnston, founder and first president of the Council.

Producer Associates Ask 90 Percent Supports

American Cotton Producer Associates have urged Southern senators to maintain cotton price supports at 90 percent of parity because the shift of the parity base from 7/8 inch to the average grade and staple will lower the support price about \$15 a bale.

Wires urging this action were sent from Memphis Feb. 16 following a

meeting. Attending were representatives from Louisiana, Mississippi, Tennessee, Alabama, Arkansas, Missouri, North and South Carolina and Texas.

The group also urged USDA to develop an export sale program on a competitive bid basis and to protect domestic mills from textile imports.

Committees were named to study a long-range cotton program and to develop financing of the producer organization.

• Overby To Discuss Quality and Use

E. J. OVERBY, Washington, director of USDA's Agricultural Marketing Service, cotton division, will be one of the speakers at the twelfth Cotton Spinner-Breeder Conference, March 7-8 in Charlotte, N.C. He will discuss "Qualities of Cotton Consumed in the U.S."

The purpose of the Spinner-Breeder Conference is to provide a forum for the discussion of mutual problems and thereby promote over-all advancements in the cotton industry. Location of the conference alternates between mill and producer territories. The last meeting was held in Greenville and Stoneville, Miss., in October of 1954.

Delta Council sponsors the annual event and the hosts for the conference will be the American Cotton Manufacturers' Institute and the Combed Yarn Spinners' Association. Besides the discussions, which will be held in the Hotel Charlotte, tours will be conducted through several mills in surrounding territory. Representatives from the Textile Machinery Manufacturers' Association will also appear with prominent spinners and breeders.

Details of the program appeared in a previous issue of The Press.



HOWARD W. ZUCH



A. M. PENDLETON

To Discuss Ginning Problems

A LARGE ATTENDANCE of ginners is indicated for the 1956 Texas Cotton Ginning Short Course, Feb. 28-29 at and near Harlingen, Texas, to hear discussions of ginning problems by the two men shown here and others. Howard W. Zuch is ginning specialist for Texas Extension Service at College Station and A. M. Pendleton, Dallas, is USDA Extension specialist. Others on the program, published earlier in The Press, will include representatives from private firms, USDA research institutions and Texas A. & M. College. On Feb. 29 ginners attending will go to individual gins to hear gin machinery manufacturers' personnel discuss their own equipment.

River Water Supply Good In Western States

The outlook for water supply from rivers in the Western Mountain States is more promising than last year with exception of the Gila and Little Colorado River Basins in Arizona, the Rio Grande, Pecos and Canadian Rivers in New Mexico and the Arkansas River Basin in Colorado, which in some cases are less than half of the 15-year (1938-52) average. Most of the remaining areas have had well above normal winter rains and streamflow ranging from near average to as much as twice the 15-year average.

In Memphis, March 12-13-14

Midsouth Meeting Theme "Quality Cotton Sells"

■ **THREE GINNERS' ASSOCIATIONS** announce plans for exhibits, business sessions and entertainment programs expected to attract large attendance of members of the cotton industry.

"**QUALITY COTTON SELLS**" will be the theme featured at the Midsouth Gin Supply Exhibit in Memphis on March 12-13-14. W. Kemper Bruton, Blytheville, Ark., is in charge of the arrangements, working with other officials of the sponsoring groups.

Ginners and their families attending will see extensive exhibits and enjoy a full program of entertainment and business discussions.

Held at the Midsouth Fairgrounds, the event is expected to attract a large attendance from Arkansas, Missouri, Illinois, Tennessee, Mississippi and Louisiana.

Three gingers' associations sponsor the Midsouth program and will hold their annual business sessions at that time. Sponsors and their officers are:

Arkansas-Missouri Cotton Ginners' Association—W. H. Haslauer, East Prairie, Mo., president; Fred Carter, Lake City, Ark. and R. S. Barnett, Jr., Altheimer, Ark., vice-presidents; W. Kemper Bruton, executive vice-president and treasurer, R. D. Hughes, Jr., secretary and Miss Nancy Holland, assistant secretary, all of Blytheville, Ark.

Louisiana-Mississippi Cotton Ginners' Association—John T. Carroll, Gilbert, La., president; G. D. Brown, Lyon, Miss., and Dan P. Logan, Gilliam, La., vice-presidents; Garner M. Lester, Jackson, Miss., treasurer; and Gordon W. Marks, Jackson, Miss., executive vice-president and secretary.

Tennessee Cotton Ginners' Association—John Wilder, Mason, Tenn., president; M. S. Wilson, Arlington, Tenn., vice-president; and W. T. Pigott, Milan, Tenn., secretary-treasurer.

• **Program Details Given**—Registration for the meeting will start on Sunday, March 11, at 2 p.m. in the Peabody Hotel.

Meetings of the boards of directors of the sponsoring organizations will be held at 4 p.m. Sunday.

The extensive exhibits, which will show many different products and services used by members of the cotton ginning industry, are scheduled to open on Monday morning at the Midsouth Fairgrounds, the same location where they have been held in previous years.

Business sessions will be held in the Casino Building, while the exhibits are to be in the Shelby County Building. Each afternoon will be held open to give ginners and their guests ample time to examine the displays and to visit with friends in the exhibit hall. Guest speakers are on the program Monday morning.

Federal Compress Co. will be host Monday at 7 p.m. during a cocktail hour, and the individual associations will have their annual banquets that evening at 8 p.m. These events will be at the Peabody Hotel.

For Tuesday morning's business ses-

sion, in addition to entertainment, there will be a panel discussion devoted to the theme of the meeting, "Quality Cotton Sells."

Lon Mann, Mann's Gin, Marianna, Ark., will be moderator, with the following panel members: Dr. Webster Pendergrass, University of Tennessee, Knoxville; S. L. Calhoun, Agricultural Chemicals Co., Greenville, Miss.; Keith Bilbrey, Arkansas Extension Service, Blytheville; J. K. Jones, John Deere Plow Co., Memphis; Herschel McRae, National Cotton Council, Memphis; and A. L. Vandergriff, Lummus Cotton Gin Co., Columbus, Ga.

Cottonseed oil mills will be hosts that evening at a variety show at the Ellis Auditorium in downtown Memphis. Admission will be free for those who have convention badges and their guests.

On Wednesday, the exhibits will be open from 9 a.m. until noon, when the meeting ends.

Sam Sanders, Broker, Dies

Friends throughout the industry have been saddened by the recent death of Sam A. Sanders of Little Rock. A broker in cottonseed, soybean and other oilseed products for many years, he was widely known in the industry.



Photo by Ed Hollowell, NCPA

Alabama Community Gets Cotton Award

PRESENTATION of awards in the Alabama Cotton Contest to leaders of the Mt. Hebron One-Variety Cotton Community is shown here. Left to right are James V. Kidd, Birmingham, speaker on the program as a representative of Alabama-Florida Cottonseed Products Association; L. B. Adams, president of the Mt. Hebron organization; Sam High, ginning leader from Ashford; and J. R. Abney, Jr., Albertsville, who represented Alabama Cotton Manufacturers' Association on the program. Crushers and cotton manufacturers sponsor the contest, which is conducted by the Extension Service. Mt. Hebron was one of four district winners, with the top award going to Stewart Community, as reported previously in The Press.

More Livestock on Farms But Values Decrease

Livestock numbers increased while value declined during 1955, the Jan. 1 estimate issued by USDA shows. Hogs increased nine percent and cattle one percent to set a new record high. Horses and mules continued their decline, dropping eight percent in number last year. Sheep and lambs decreased one percent and poultry two percent.

The aggregate value of these animals and poultry Jan. 1 was estimated at \$10,757,612,000 compared with \$11,209,832,000 the year before.

Hogs lost most in value, followed by sheep and lambs.

Values of cattle, horses and mules and poultry were higher than a year earlier.

The numbers of livestock and poultry on farms Jan. 1 this year and last, respectively:

Cattle 97,456,000 this year compared with 96,952,000 last year; milk cows 23,318,000 and 23,462,000; hogs, 55,088,000 and 50,474,000; all sheep 31,109,000 and 31,582,000; horses and mules 3,962,000 and 4,309,000; chickens 382,218,000 and 390,708,000 and turkeys 4,892,000 and 4,917,000.

The total value of livestock and poultry on Jan. 1 this year and last included:

Cattle \$8,581,370,000 and \$8,517,027,000; milk cows \$3,235,106,000 and \$3,148,392,000; hogs \$977,165,000 and \$1,542,285,000; all sheep \$443,841,000 and \$471,490,000; horses and mules \$247,939,000 and \$242,107,000; chickens \$480,399,000 and \$410,741,000 and turkeys \$26,898,000 and \$26,185,000.

■ **EARL W. SEARS**, Dallas, field service supervisor, National Cotton Council, and Mrs. Sears had a new son on Feb. 16, making two boys and a girl in the family.

Mechanization Meet To Be Aug. 22-24

The tenth annual Beltwide Cotton Mechanization Conference will be held in Atlanta, Aug. 22-24, the National Cotton Council has announced. Sponsored by the Council, in cooperation with the University of Georgia, the farm equipment industry, farm organizations, USDA, and other groups, this year's meeting will emphasize the urgent need for lowering cotton production costs and pinpoint mechanization's role in this effort.

The Atlanta Biltmore will be headquarters. Discussions built around the meeting's objectives are scheduled through noon of the second day, Thursday, Aug. 23. In the afternoon the group will go to Experiment, Ga., for a demonstration of modern cotton production machinery and techniques. On Friday, Aug. 24, engineers engaged in mechanization research across the Cotton Belt will hold a workshop session at the Biltmore.

• Sesame Processing Procedure Given

SESAME PROCESSING information has been sent to members of National Cottonseed Products Association by the organization's Educational Service. These recommendations for crushing sesame seed were outlined by H. F. Crossno, general superintendent, California Cotton Oil Corp., Los Angeles, who may have had more experience than any other U.S. mill superintendent in crushing the crop.

1. Do not roll or grind sesame seed as the oil cells break down very rapidly; just go directly to cooker.

2. Use very low temperatures and low depths of meal in cooker.

3. Former cake, as with cottonseed.

4. Blank off approximately four boxes of hydraulic press in order to avoid running the ram out of the cylinders, due to lots of oil in meal.

5. According to moisture in sesame seed, it might be necessary to dry through a dryer before entering cooker.

6. If oil is being used for edible purposes it is necessary that it be government inspected for rat and mouse pellets, which is quite a job. Through air aspiration cleaning can be done, as there are many different ways to approach it. If not for edible purposes this you do not have to worry about.

7. The oil is a very high quality grade, something similar to our refined cottonseed oil. It does not turn rancid or cook away, which is very good in all frying purposes.

8. The same can be done on Expellers, as above, and the only necessary changes that need to be done on standard Expellers is the spacers on the barrels must be closed up to 7-1/2-5 and 5 on horizontal barrels. Verticals, 10-7-1/2-5. In using the shaft hump arrangement it is best to block off 4 1/2 inches at each hump to stop machine from footing and wear on barrel bars. Use low temperatures and low depths in Expeller cookers with good air venting on both cooker and conditioner to take off excess moisture.

Missouri 4-H'ers Show 'Em In Three Bale Contest

A yield of 1,285 pounds of lint per acre won the 1955 Missouri Cotton Producers' Association 4-H Three Bale Per Acre Contest for Ronnie Whitfield, a member from Caruthersville.

Ronnie, 16-year-old son of N. H. Whitfield, received \$200 in U.S. Savings Bonds and a three-bale club lapel pin, Jim Killion, Association president, announced. Whitfield planted D & PLFox on a plot that had been in alfalfa for the preceding four years. Two weeks before planting he applied 400 pounds of 10-10-10 fertilizer and bedded the ground. During the growing season the field was hand chopped three times and plowed seven times.

Second to seventh place winners and their Savings Bonds awards include, J. R. Johnson, Malden, 1,235 pounds, \$150; Billy Pickard, Malden, 1,193 pounds, \$50; Lewis A. Riddick, Steele, 1,155 pounds, \$50; Jerome Franklin, Steele, 1,140 pounds, \$50; Roy Birk, Charleston, 1,100 pounds, \$50; and Dick Neely, Senath, 1,076 pounds, \$50. All winners received a three-bale club pin.

Dairy Supports Continued

Current prices in support programs for butter and other dairy products will be continued during the 1956-57 marketing year which begins on April 1, Secretary of Agriculture Ezra Taft Benson has announced. Butterfat will be supported at 56.2 cents per pound, 78 percent of the parity price.

Bulletin on Prices

"High and Low Records of Fats, Oils and By-Products, 1945-55," is a new publication from The Davidson Commission Co., Board of Trade Building, Chicago 4.



Joins Ranks of Fathers

N. J. WHETSTONE, II is shown here, because it was too early for us to get a picture of N. J. Whetstone, III, who arrived on Feb. 20 at Dallas, where daddy is secretary-treasurer of Texas Cottonseed Crushers' Association and father and mother are widely known among members of the of the cotton industry.

• Horses May Just Be Bored, He Decides

WHY do horses chew posts? This question has been bothering horsemen for centuries, and for 20 years Professor Carroll S. Howell has been trying to find the answer.

Do they do it because of a dietary lack?

Do their teeth hurt?

Do they need the roughage?

Does the weather cause it?

Or is wood chewing only a habit?

Howell, an animal husbandry professor of the University of California, answers: "We don't know exactly, yet."

He said a horse will chew up as much as a tenth of a pound of wood a day. Could horses chew fence posts for the same reason some people chew on matches or toothpicks?

Maybe it does not matter, the professor acknowledged, because "most of the stuff they chew off, they just drop on the ground."

Howell said some experts think "the animals just get bored standing around with nothing to do" and chewing wood is "a way of expending some sort of nervous energy."

About the most definite thing he has learned is that horses will not chew wood which is treated with creosote about three times a year. He has found also that horses in a field with animals in an adjacent field will chew more on the posts separating them from the other animals. They do not have to be other horses. Sheep and cattle will stimulate just as much extra chewing.

Howell thinks maybe the horses want to bite the other animals.

The older he gets, he says, the less he is sure of any of his horse research. But, he does know that horses of all ages chew wood, so it probably isn't a teeth problem; horses getting plenty of the right kind of feed still do it; young stallions chew less wood during the breeding season; and mares with colts chew less than those without colts.

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Sesame Popular With Cooks

NEW YORK TIMES article tells of increasing use of sesame seed in kitchens to flavor salads, breads, meats and other dishes.

SESAME, the oilseed crop which research promises to make a raw material for oilseed processors in this country, was the subject of an article recently in the New York Times. That newspaper's article discussed the increasing popularity of sesame with home cooks.

(While oil mills are primarily interested in commercial production of sesame that can be harvested mechanically for crushing, and have aided research toward this goal through the National Cottonseed Products Association, this popularity of the seed as a confection may help to pave the way for its production and use as an oilseed.)

Jane Nickerson points out in the Times that the oval seed which tastes something like almonds has long been popular in the Orient and is used commercially in this country in the production of Halvah (from the Arabic word meaning "sweet"), a pale, paste-like confection of sweetened, mashed sesame seeds.

"A Washington housewife," the Times article continues, "put sesame seeds in a pie crust and won \$25,000 in a national cooking contest in 1954. Since then, women have been sprinkling the seeds into salads, on frosting, on cookies, adding them to poultry stuffings and, in general, experimenting with ses-

ame. Many of the suggestions they have used have come from the American Spice Trade Association, also under the spell of sesame."

• **Sesame in Many Ways** — The Times article suggests that sesame seed be toasted by spreading in a shallow pan and baking in a moderate oven (350° F.) for 10 to 12 minutes. Hot baked breads of any kind can be brushed with unbeaten egg white and then sprinkled with the toasted seeds.

Sesame seed butter, the article points out, is a pleasant variation on garlic butter. Toasted seeds are mixed with sweet butter (a half-cup of seeds to a half-pound of butter). A long, crusty French loaf is sliced, without cutting through the base of the loaf, and each piece spread with sesame butter, after which the loaf is wrapped in aluminum foil and heated for about 10 minutes at 375 degrees.

A sauce for roast loin of pork, giving it an oriental flavor, is made by mixing a tablespoon of dry mustard with enough sherry to make a paste. One-fourth of a cup, each, of soy sauce, tomato sauce and sesame seeds are added.

For green salads, the Times suggests adding toasted sesame seed to an oil and vinegar dressing. This gives the

dressing a pleasant texture and nutty flavor.

Sesame seed cookies and sesame seed tea bread are other recipes given in the article.

Lee Makes Good Showing In Carolina County

Lee soybean, a new variety developed for the South and tried out in South Carolina for the first time last year, has shown very good results in Orangeburg County, according to the Extension Service.

Comments from the 54 farmers who planted Lee last year held that the new strain is the earliest, followed by Jackson; the bean is much smaller size in stalk, but has twice as much quality; and it will not shatter as soon as other varieties.

Lee is a USDA produced variety tested at Clemson and has been labeled a bean suited for good land and showing early growth.

Committee To Recommend Grange Cotton Policy

A cotton committee of the National Grange, appointed to recommend a cotton policy, will meet in Washington on March 9-10.

Committee members are Harry Caldwell of North Carolina, James Bender of Texas, D. W. Brooks of Georgia, J. Clyde Wilson of Arizona, M. M. Kibler of California and Dr. C. R. Sayre of Mississippi.

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Wintering Plains Welcome Snow Eating "Chinook"

The "chinook" is about as welcome to wintering Rocky Mountain States as a trip to Florida. Official definition of the "chinook" states it is "a name given in the western U.S. and Canada to a warm, dry, southwest wind along the eastern slopes of the Rocky Mountains," says U.S. Weather Bureau.

It may occur during any season, but its affects are most marked in winter, when it may cause a very rapid rise in temperature and causes the snow to disappear in a few hours. The wind may blow at any velocity from a gale to a breeze and for any period of time.

The "chinook" is essentially a down-slope flow of air that has been pushed to the top of the Divide from the west and then spills over and flows down the eastern slope into the Great Plains. This is the one important fact that makes the "chinook" what it is and different from other winds. It flows down the slope of the mountains, which means that it not only moves from place to place, but also from higher to lower elevations. Thus, it is compressed and made warmer at the rate of 5.5 degrees for every 1,000 feet of its descent.

Good Yield of Sesame

I. C. Pittman, Parker County, Texas, reports a yield of 1,500 pounds per acre of Rio sesame on 22 acres. Acreage will increase in 1956.



To Head Oil Chemists

T. H. HOPPER, New Orleans, is scheduled to become president of the American Oil Chemists' Society at the spring meeting in Houston, April 23-25. He is head of the analytical, physical-chemical and physics section of USDA's Southern Regional Research Laboratory in New Orleans; and is incumbent vice-president and membership chairman of the Society, so that he automatically becomes president under the by-laws. Balloting for other officers is under way and results will be announced in Houston.

Antibiotics Will Aid Fishermen

ANTIBIOTICS are going to be a boon to fishermen, a group of fish technologists was told recently; but the drug won't do anything about the problem of catching the fish in the first place.

Dr. Alex A. Malaspina of the technical service department of Chas. Pfizer & Co. says that antibiotics can extend the freshness of fish up to 100 percent or more and will permit a longer interval between catch and consumption. This will permit shipments for longer distances and will enable fishermen to stay at sea longer and obtain greater quantities of fish.

U.S. Lard Exports Drop To Dominican Republic

U.S. lard exports to the Dominican Republic, never very large, in the past always accounted for an important part of the total Dominican requirements for fats and oils. In 1947, the country took almost 900,000 pounds of U.S. lard. Since then, total U.S. lard imports declined until in 1955 they were less than 200 pounds, FAS reports.

The two main factors causing the decline are that the high tariff to the country on lard make it very expensive and that the Dominican Republic has made a successful attempt to be self-sufficient in fats and oils. The one and only peanut oil mill in the country has encouraged farmers to grow the crop by giving seed and cultivating materials to them and helping to form machinery pools at low prices.

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Oil Mill Equipment for Sale

OIL MILL EQUIPMENT FOR SALE—Rebuilt twin motor Anderson high speed expellers, French screw presses, stack cookers, meal coolers, fourteen inch conditioners, filter presses, oil screening tanks, complete modern preprocessing or single press expeller mills.—Pittcock & Associates, Glen Riddle, Pa.

FOR SALE—Filter presses; screening tanks; single and twin motor Anderson Super Duo expellers, with conditioners; several extra 36" cooker dryers and conditioners. All steel lint baling presses; 141-176 saw linters; seed cleaners; No. 153 separating units; bar hullers; lint beaters; stack cookers; rolls; hydraulic press room equipment.—V. A. Lessor & Co., P. O. Box 108, Fort Worth, Texas.

FOR SALE—Anderson Super Duo expellers, each complete with 14" conditioner and 36" cooker; 6 high 60" ball bearing rolls 176 and 141-saw Carver linters, 72" and 85" cookers. Butters milling machine. Double box linter press. Filter press. Attrition mills. Single drum hull beater. 42" Carver hullers.—Spores & Cook Machinery Co., 151 Leslie St., Telephone PR-5958, Dallas, Texas.

FOR SALE—200 feet 16" plain conveyors, 36 feet 16" cut flight conveyors, 30 feet 9" cut flight conveyors, 60 feet 4" plain conveyors. One 30 and one 40 h.p. 2200 volt electric motors. One coupling type clutch 35 h.p. 2-7/16 bore, cast iron elevator boots, steel splint pulleys, shafts and plain bearings.—Brady Cotton Oil Company, Paul Klatt, secretary, Phone 2218, Brady, Texas.

FOR SALE—Cotton seed delinter 106-saw Continental, extra saws and mandrel, complete with elevator, \$500. One Gustafson slurry treater, excellent condition, \$600.—E. C. Allen, Piedmont, Alabama.

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150	Sq. Cage	900	1188
100	Slipring	1200	1076
100	Slipring	900	1189
100	Sq. Cage	1200	758
100	Sq. Cage	900	879
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Gen Equipment for Sale

FOR SALE—Cotton gins, oil mills, compresses and grain elevators. Contact M. M. Phillips, Phone TE5 8555, P. O. Box 1288, Corpus Christi, Texas.

FOR SALE—4-80 saw Murray late model outfit complete with tower drier, two inclined cleaners, big bur machine, Super Mitchells, Murray saw type lint cleaners and all-steel down-packing press. This is the cleanest outfit and in the best condition of any outfit in the whole country.—Sam Clements, Phone 1362, West Memphis, Arkansas.

FOR SALE—2-80 Continental brush direct connected gins, 2-66 Super Mitchell extractor feeders flat belts. Used seed sterilizers.—Service Gin Co., P. O. Box 21, Phone 4251, Ville Platte, Louisiana.

SPECIAL BARGAINS—One complete late model 5-80 all-steel Murray gin outfit, less buildings, land and wagon scales priced extremely low as such plant is being replaced by a complete new 90-saw outfit and must be removed by March 15, 1956. This plant consists of 5-80 saw late model loose roll glass front Murray gins, 66" Supers, Mitchell conveyor distributor, two 10' steel Hardwicke-Etter bur machines, 7- and 9-cylinder Hardwicke-Etter cleaners, 24-shelf Hardwicke-Etter drier with heater, two rotor lifts, seed scales, seed sterilizer, all steel Continental up-packing press, with practically new condenser and tramper, large dust collector, five electric motors with a total horsepower of 245, several very nice fans on V-belt drives, as well as the usual auxiliary air pipe, line shaft and other items. One older model 4-80 Lummus outfit to be moved. Miscellaneous items in our Waco stock and in the territory consist of several very nice late model Murray and Continental air blast and brush gins, eleven 60" Super Mitchells, eight 66" Supers, five 66" Master Double X, V-belt drive Continentals, four 60" late type Hardwicke-Etters with after cleaners and V-belt drives for repair parts only. One 5-80 Mitchell conveyor distributor, one 4-80 Lummus conveyor distributor, one 6-cylinder steel Continental incline, one 6-cylinder Stacy and one 4-cylinder Lummus cleaners, with V-belt drives. One Continental Paragon and one very nice Murray PX steel-bound press. Hundreds of miscellaneous items in the way of gins, feeders, cleaners, separators, bur extractors, conditioners, driers and heaters available in our Waco stock for your choice selection. For our largest, oldest and most reliable source of used and reconditioned gin machinery, contact us. Qualified graduate engineer to assist you with any of your machinery problems, at no obligation. Call us regarding any machinery or complete plants you have for sale or trade.—R. B. Strickland & Co., 13-A Hackberry St., Telephones: Day 2-8141, Night 3-7929, Waco, Texas.

FOR SALE—To be moved, complete 5-70 saw air blast Munger gins, Mitchell flat belt type cleaners, New Murray condenser, sterilizer, rotary lift, press, 34" Howe scale, electric power. Will sell all or part.—Mrs. H. B. Seifert Gin, Weimar, Texas.

FOR SALE—One Continental steel, side discharge, #60 condenser. Will sell at a bargain.—Farmers Union Co-op Gin, Sentinel, Oklahoma.

FOR SALE—Five Super Chief Mitchell feeders with hard saws in good shape. One Continental E.J. tramper in good shape.—J. L. Smallwood, Phone 72 or 320, Box 1908, Levelland, Texas.

FOR SALE—5-80 saw gin located in one of the outstanding cotton producing counties in Northeast Texas.—Box NN, c/o The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas, Texas.

FOR SALE—8-80 saw Cen-Tennial Commander loose roll gin stands. Will sell complete or saw cylinders separate. Will sell at a sacrifice. Also for sale one steel-bound Cen-Tennial press, up-packing, with tramper and pump.—McColl Gin Co., Bennettsville, S.C.

FOR SALE—Lint flue for either 4- or 5-80 Murray, new 1949, in good condition.—Enderlin Bros. Gin, Conway, Arkansas.

FOR SALE—Modern operating Lummus gin consisting of 4-80 saw gins, cleaner separator, press, large capacity drier, bur machine, electric motors, and seed and cotton scales. Priced to move. All ready to start 1956 season. Located middle Georgia. Write Box JJ, c/o The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas, Texas.

FOR SALE—5-70 saw Murray gins, roll dump fronts, complete with lint flue. 5-70 saw 10" steel belt distributor. 5-70 Blewett extractor feeders. Two Murray 1952 Model 7-cylinder 52% steel incline cleaners. All in fair condition.—Virgil Jumper, Idabel, Oklahoma.

FOR SALE—Conveyor distributors. One 5-80 Mitchell, one 5-80 Hardwicke-Etter, one 5-70 Lummus. Gins: 5-90 Gullet, 4-80 Lummus 1949 model, glass front double mote, 4-80 Continental Model C brush, five Continental F3 brush with Continental Triple X huller feeders, 5-70 all-steel Lummus, 4-80 1952 Model Murray glass front with mote suction, 4-80 Cen-Tennial air blast with loose roll boxes and glass fronts, 5-70 Continental Model C brush with 30 fronts, 5-70 Lummus all-steel ball-bearing picker rollers, Driers: One Murray big reel, two Lummus thermo cleaners, one 5-80 Mitchell. Bur machines: One Lummus 10' all-steel with 5-cylinder after cleaners, one 10' all-steel Continental, one Hardwicke-Etter 14' wood. Cleaners: One Murray 52" V-belt inclined blow-in type, two Continental inclined 4-cylinder all-steel, one 6-cylinder Continental all-steel air line. Huller cleaner feeders: 5-60" V-drive Super Mitchells, 4-80 Lummus LEF, factory reconditioned, like new, make me offer. 5-70 Lummus MEF, one Continental 4-X 80-saw, one 80-saw old style Super Mitchell. Condensers: Two 60" Continental all-steel side discharge, one Lummus 60" up discharge. Lint cleaner: 4-80 1953 Model Lummus Jets with lint flue and condenser, fan and motor. Engines: One MM Twin six 210 h.p., one MM 240 h.p. 6-cylinder. Electric motors: Sizes from 20 to 150 h.p. 440 volt.—Bill Smith, Box 694, Phones 49626 and 47847, Abilene, Texas.

FOR SALE—Complete 4-70 saw Continental gin outfit with steel bound Paragon press, Continental E.J. tramper, 4 Standard Mitchell extractors with Mitchell drying system complete with 2 million B.T.U. burner and 1000 gallon Propane gas tank, one set of Cen-Tennial seed weighing scales complete with hoppers, scale mechanism and steel supports, one 75 h.p. General Electric motor complete with all necessary wiring and switches, one set wagon scales, one Continental wood separator, Cen-Tennial screw type distributor, belt type seed elevator, 48" down draft single reel condenser, 28' Kingham single axle trailer, numerous pulleys, fans, belts. All above gin machinery in very good condition with exception of gins, most new, installed in 1948. Will sell all in lump or will sell any part.—R. A. Register, Rents, Ga.

FOR SALE—4-80 saw Gullett, Continental or Murray outfit complete with special Mitchell super units, tower drier and incline cleaner, Moss-Gordon lint cleaner, electric motors and all-steel building. This is a Gullett outfit; however, we can make it into a Continental brush or Murray air blast. Take your pick and pick up this bargain quick. Only \$25,000 for the complete plant and steel building.—Sam Clements, Phone 1362, West Memphis, Ark.

FOR SALE—One new Cen-Tennial centrifugal lint cleaner at a tremendous bargain.—Contact Howard Hall Company, 214 South 10th Street, Birmingham, Alabama.

FOR SALE—Murray 3-80 single conveyor distributor, Murray VS type separator, Mitchell butane gas 2M heater, Continental seed scales, screw conveyers, vertical screw elevator, new brush for 70-saw Pratt gin, Lummus hydraulic ram for up-packing press and pump. Shafting, pulleys, hangers and belts.—J. Herbert Pittman, Whitakers, North Carolina.

FOR SALE—Electric gin, all-irrigated territory. About \$50,000 worth property goes with gin at a bargain.—Box ZB, c/o The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas, Texas.

FOR SALE—Modern cotton gin, complete electric, located in one of state's heavy cotton-producing counties. 75% of machinery installed during last three years. All Murray equipment; three 90-saw gins; Super Chief Mitchell feeders; big reel and 24-shelf tower driers; two 6-drum horizontal and one seven inclined cleaners; 14' bur extractor; combing-type lint cleaners installed this year. Well located with pavement on two sides. 3 blocks from public square. Only two gins in city. Reasonable financing can be offered to responsible purchaser. Owner wants to retire after 29 years continuous operation. See or write H. L. Saffold, owner, 2710 Washington Ave., Waco, Texas.

FOR SALE—4-80 saw late model Murray outfit complete with two tower driers, two inclined cleaners, big bur machine, Super Mitchells, Continental lint cleaners and all-steel up-packing press. Bargain for quick sale.—Sam Clements, Phone 1362, West Memphis, Arkansas.

FOR SALE—4-80 Continental all-steel gin with steel building. Five labor houses, large seed house, and 4000 square feet of Mexican barracks. Also new brick residence. Priced to sell.—Kevill Coffman, RFD. 5, Tahoka, Texas.

FOR SALE—Fifteen 1950-51 model Continental lint cleaners, with by-passes, fans and motors.—Bill Smith, P. O. Box 694, Phones 49626 and 47847, Abilene, Texas.

FOR SALE—Government type tower driers, automatic gas heaters, blow pipes, and fittings. We are prepared to deliver and install driers, and any gin machinery in conjunction with drying equipment.—Service Gin Co., P. O. Box 21, Phone 4251, Ville Platte, Louisiana.

FOR SALE—To be moved, one complete Gullett gin, 4-80 saw 1949 Gullett gins, four Model 100 Gullett feeders, one 1949 Gullett dropper, one 1949 Gullett condenser and lint flue, one 1949 all-steel down packing Gullett press and packer, four 1951 Murray saw type lint cleaners, one Minneapolis-Moline NEV 240 h.p. with transmission equipment.—J. P. Bowlin Gin, LaFeria, Texas.

FOR SALE—To be moved. One complete late-model, all-steel 4-80 gin, consisting of 4-80 glass front Murray gins, 4-80 special standard V-drive Mitchells, 4-80 submerged lint flue, 4-80 Hardwicke-Etter conveyor distributor. One 6-cylinder Hardwicke-Etter airline cleaner. One 16-shelf Hardwicke-Etter tower drier, fan and burner. One 5-cylinder Hardwicke-Etter V-drive blow-in No. 1 cleaner. One Hardwicke-Etter 3-way bypass. One 14' Hardwicke-Etter bur machine. One 5-cylinder V-drive No. 2 cleaner. One Hardwicke-Etter side discharge condenser. One Cameron ballbearing tramper. One Hardwicke-Etter up-packing press. One set Hardwicke-Etter seed scales. Two rotor lifts. One MM butane or natural gas engine. Fans on V-drive, all transmissions, etc. This is an extra good, clean gin at a bargain.—Bill Smith, Box 694, Phones 49626 and 47847, Abilene, Texas

FOR SALE—5-70 Munger ball bearing gin stands, steel heads, practically new saws, brushes. Individual drive, \$25 each. 5-70 all-steel double X model "A" Continental cleaner feeders, Nos. 1713-16-17-20-21, \$50 each. One 10' all-steel Lone Star Continental bur machine, \$500. Two 5-cylinder all-steel Continental cleaners (1 before and 1 after bur machine). Width of cleaners 54", \$350 each. One all-steel Continental separator, 54" width, \$150. One all-steel EJ tramper, \$300. One 3-plunger horizontal hydraulic press pump, \$150. One 75 h.p. 2200 volt, 900 speed G-E motor complete with starter, \$700. One 25 h.p. 220 volt, 1800 speed motor complete with starter, \$150. One good steel-bound cotton press with steel top and bottom sills, complete with ram and casing, \$250. One 40" Sturtevant fan, \$100. One cotton house dropper, \$75. One 30 h.p. 2200 volt, 900 speed G-E motor complete with starter and clutch, \$350. Will sell complete gin, less buildings, for \$3,000. This includes all shafting, pulleys, belting. McAlester Oil Mill Co., Box 275, McAlester, Okla.

FOR SALE—4-80 saw Continental master four X super feeders. We will overhaul and place in first class condition. 60" and 66" Super Mitchells reconditioned and ready to run at bargain prices. Get your order in quick for Mitchell feeders. One all-steel Continental down-packing press with long stroke EJ tramper ready to operate. We will move this press to your gin plant and install if desired. One 72" wide Hinckley drier cleaner complete with burner and separator. Bargain. We are about to dismantle a late model Murray outfit with driers, cleaners, impact cleaners and big bur machine with up-packing press. We will be dismantling gin plants all spring and we suggest that you get in touch with us and place your order now. We only handle late model all-steel machinery and NO JUNK.—Sam Clements, Phone 1362, West Memphis, Arkansas.

FOR SALE—Five Continental double X feeders. Good condition. One 20' screw elevator, 12". Bargain.—Farmers Union Co-op Gin, Sentinel, Okla.

Equipment Wanted

WANTED—Radiator for Le Roi 6-cylinder gas engine. Also other usable parts for Le Roi engines.—W. Caplis, Box 1312, Shreveport, Louisiana.

WANTED—Five Continental or Moss-Gordin large lint cleaners.—Box BJ, c/o The Cotton Gin and Oil Mill Press, P. O. Box 7985, Dallas, Texas.

WANTED—Used all-steel double box cotton linter press.—Box 471, Cuero, Texas.

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FOR SALE—New and rebuilt Minneapolis-Moline engines, from 35 h.p. to 220 h.p., call us day or night for parts and service.—Fort Worth Machinery Co., 913 E. Berry St., Fort Worth, Texas.

FOR THE LARGEST STOCK of good, clean used gas or diesel engines in Texas, always see Stewart & Stevenson Services first. Contact your nearest branch.

FOR SALE—One endless belt 16" wide, 34'5" long. One endless belt 16" wide, 47' long. 80" 9" of 2-15/16" line shaft complete with 4 couplings and 15 bearings and stands. Variety of steel split pulleys. Two adjustable idlers for 16" belts. One 14 x 16 Skinner engine in good shape. Three steam press pumps. Two boiler feed pumps.—Farmers Co-op, Society of Acuff, Route 1, Lubbock, Texas.

FOR SALE—One 300 h.p., type 4, style VA, 257 R.P.M., Fairbanks-Morse engine. Complete with clutch and water pump.—Thomas Bros. Gin, Rt. 3, Post, Texas (Grassland). Phone FC-5373 or FC-5477, Tahoka, Texas.

FOR SALE—Storage tanks, 10,000 gallon tank car tanks cleaned inside and in good condition.—Keith Railway Equipment Company, Box 348, Plaza 9-4406, Longview, Texas.

TENKOTE stops leaks, renews old roofs, steep or flat. Easy to spread yourself, save money. Guaranteed 10 years. For free literature and prices by mail, write: Sales Dept., P. O. Box 408, Austin 63, Texas.

INSPECTIONS and appraisal. Dismantle and installation.—Oscar V. Shultz, Industrial Engineering, Phone Butler 9-2172, P. O. Box 357, Grapevine, Texas.

FOR SALE—600 h.p. Cooper Bessemer gas engine, 400 r.p.m., 8-cylinder. In good shape.—Taft Cotton Oil Co., P. O. Box 218, Taft, Texas.

No Increase in Cotton Consumption Likely

"It is doubtful if there will be any increase in world consumption of cotton this season," says the current review of the International Cotton Advisory Committee.

"Any increase," the review continues, "would be fractional in comparison with those since 1951-52 . . . if there is no improvement in the outlook in Western Europe, consumption could decline."

Production is expected by the advisory organization to outstrip consumption in the Free World this season by about three million bales. End-season carry-over stocks would reach about 23 million bales.



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Will bring you more customers and make you more profits!

In every section of the cotton belt, growers favor the gins that display the Moss Lint Cleaner sign. Cotton cleaned by a Moss is improved a grade or more and brings higher prices. Moss Lint Cleaners are low in first cost, easy to install, economical to operate and their cleaning performance is unequalled. There is a Moss Lint Cleaner specifically designed for every type and size gin. Call or write today and let a Moss-Gordin specialist give you complete details.

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• More States Name Ginners of Year

NOMINATIONS for their Ginner of the Year are being made by state ginners' associations, and are being sent to the National Cotton Ginners' Association, which will announce the winner of the Horace Hayden Memorial Award for the National Ginner of the Year at the National Association meeting in Dallas in March.

Information about Texas Ginner of the Year Horace Etchison and Alabama Ginner of the Year R. R. Norman was published, when received, in earlier issues of The Press. Others will be published as received. The following nominations were announced in time for publication in this issue:

North Carolina

F. S. Crowder of Lattimore is North Carolina Ginner of the Year. His nomination lists the following, among many other qualifications for the national award:

Crowder's entire life has evolved around cotton production and ginning. The first cotton gin in the county was erected by his grandfather just after the Civil War. In 1928 he and his father built a modern gin and operated this outfit with improvements until 1949. In 1949 he and his brother, J. J. Crowder, purchased a complete new gin and have continued to make additions as new developments came on the market. Crowder offers storage facilities for cotton and cottonseed and is able with his modern gin and efficient manage-

ment to bring his customers the top price.

The gin is operated on sound business principles and he is especially active in helping his customers get high quality and value for their lint and seed. He is esteemed by customers and competitors; and is a leader in the ginning industry, having served five years as a director of the Carolinas Ginners' Association and as its first vice-president. Crowder also is active in Cleveland County Crop Improvement Association.

His civic activities include serving on the board of deacons, and as board chairman for years, of Double Springs Baptist Church, as treasurer and as teacher of the men's Bible class. He is a member of the Lions Club and chairman of the agriculture committee; member of the Cleveland County Hospital board; past chairman and member for 20 years of Lattimore School Board; an active Mason for 35 years, a Shriner and member of the Order of the Eastern Star.

South Carolina

Frank M. Wannamaker of St. Matthews is South Carolina Ginner of the Year. Among his many activities, the nomination lists the following:

His fine customer relations and his many contributions to the ginning industry have been recognized in many ways, including his election as president of the Carolinas Ginners' Association, and delegate member to the National Cotton Council for the past four years. He was a leader in the successful fight for two years to secure legislation permitting the sale of mellorine in South Carolina.

A lifelong resident of St. Matthews, Wannamaker has made many contributions toward the improvement of his community and county. He is an active member of the Lions Club and has served as president. For 20 years he has been a member of the town council and serves as chairman of the Calhoun A S C Committee. He has been a member of this committee for 20 years.

Wannamaker has always been a devoted member of the Presbyterian Church and has served as church treasurer for 25 years.

He is a graduate of Duke University and while there was a member of Kappa Alpha social fraternity and was active in many campus organizations.

Although primarily interested in cotton as a planter and ginner, he has also

been a pioneer in the production of soybeans in South Carolina and is one of the largest growers in the state.

Since 1928 he has been owner and operator of the Model Seed Farm and the Farmers' Gin and Seed Co. His integrity and sound business ability have made him a highly respected seedsman and he is held in the highest esteem by his customers and competitors alike.

• Earl Butz To Speak To Texas Ginners

A NATIONALLY-KNOWN agricultural authority, Assistant Secretary of Agriculture Earl L. Butz, will be a featured speaker at the 1956 convention of Texas Cotton Ginners' Association in Dallas, March 26-27-28.



EARL L. BUTZ

Because of his ability as a speaker and his influential position in national agricultural circles, the Assistant Secretary is expected to attract a large attendance of ginners and representatives of allied industries to hear his comments on the cotton situation.

Butz grew up on an Indiana farm, received his B.S. and Ph.D. from Purdue University and was head of the Purdue department of agricultural economics when named Assistant Secretary of Agriculture in 1954. He has served in many positions of leadership in the fields of agricultural credit, finance and farm management.

Details of the business and social program for the Texas convention will appear in the next issue of The Press.

Uniontown Plant Sold

John C. Webb & Sons, Demopolis, Ala., ginners and warehousemen, have purchased the former Buckeye Cotton Oil Co. plant at Uniontown, Ala. It will be used for cotton and grain storage. The mill was built 60 years ago.

No Georgia Maid Contest

Georgia Unit of the National Cotton Council will not sponsor a Maid of Cotton Contest in 1956, but will encourage local organizations in the state to get qualified girls to enter the national contest.



How Statifier Cuts Costs ... Boosts Gin Production



Experienced Ginners Know ...

... the advantages of moisture in baling cotton. It makes pressing simpler. It enables the press crew to keep up with the production of the largest gin. It reduces sponginess so that losses from broken ties are practically eliminated. Press repairs are kept at a minimum. It turns dry, harsh-feeling samples into smooth ones that have a slightly longer staple.



"Magic Wand" Moisture Control

The gentle mist of "wet water" now has the most dependable control yet devised. Two steel rods (Magic Wands) protruding up through the bottom of the lint slide are connected to two sensitive-but-rugged micro switches under the slide. When the batt of cotton depresses the "wands" the mist starts. The Moyst wetting agent insures quick, uniform penetration ... costs less than 2¢ a bale and wet water only adds about 8 lbs. to a 500 lb. bale. Breaks in the batt, releasing either "Magic Wand" or both, instantly stop the mist and prevent wetting the lint slide.

Available in 4 Automatically Controlled Models

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• Chemical Meeting Speakers Listed

GEORGE P. LARRICK, U.S. Commissioner of Food and Drugs, will be one of the featured speakers at the spring meeting of National Agricultural Chemicals Association, March 14-16, in Hollywood Beach Hotel, Hollywood, Fla.

His discussion of food and drug legislation's effect on farmers will be associated with the nationwide observance of the fiftieth anniversary of food and drug legislation this year.

The program on March 14 will include a report on the industry by NAC President, W. W. Allen, manager, agricultural chemical sales, The Dow Chemical Co., Midland, Mich.; an address on the part land grant colleges play in developing new agricultural chemicals by Dr. J. Wayne Reitz, president, University of Florida; a talk on the marketing of pesticide chemicals by John A. Field, vice-president, Carbide and Carbon Chemicals Co., New York; and a report, "Atomic Energy in Agriculture" by Dr. S. B. Hendricks, Agricultural Research Service, USDA, Beltsville, Md.

In addition to Larrick's talk, the March 16 program will include a report on the NAC Association's "Read the Label" safety program by L. S. Hitchner, NAC executive secretary; "The Future of Fungicides in Agriculture" by Dr. George L. McNew, of Boyce Thompson Institute for Plant Research, Yonkers, N.Y.; "USDA Programs Affecting Pesticides" by Dr. H. L. Haller, assistant director, crops research, USDA, Washington; and "Research and Economics in the Cotton Industry" by Dr. H. G. Johnston, of the National Cotton Council, Memphis.

March 15, is being reserved for Association committee meetings. NAC President Allen and Executive Secretary, Hitchner will hold a press conference to answer questions concerning the agricultural chemicals industry.

Leading Arkansas Farmer Also Is Partner in Gin

A young farmer who also is a partner in a gin has been named Arkansas Farmer of 1955 by the Junior Chamber of Commerce. He is Luke E. Burch, Jr., of St. Francis County.

Burch invested his total savings of \$2,600 in a farm in 1946 and his assets now are estimated at \$375,000.

In addition to 800 acres of bottom land, he also owns 250 acres on Crowley's Ridge which he uses for pasture for his 192 Polled Herefords, the herd sire of which is a registered bull.

He is a partner in a modern gin, which he helped organize and build in 1947, and his crops, in addition to the Herefords, include 750 acres of cotton, 100 acres of wheat, 100 acres of oats, 30 acres of alfalfa, 300 acres of barley, 85 acres of rice, 450 acres of soybeans, 17 acres of strawberries, 75 acres of milo, and 290 acres of pasture.

He operates over 2,790 acres, some of which he rents.

Mill Donates Pellets

Texas Experiment Station has been given eight tons of specially-prepared cottonseed pellets by the Plains Cooperative Oil Mill at Lubbock. The pellets will be used in feeding research.

Burma Buys U.S. Cotton in \$21.7 Million Deal

Approximately 100,000 bales of cotton valued at \$17.5 million will be shipped to the Union of Burma under a \$21.7 million trade agreement, USDA reports.

About \$1 million worth of cotton will be shipped direct to Burma. The remaining \$16.5 million worth will be sent to other countries where it will be processed into textiles and then shipped to Burma for use. In addition to cotton, Burma will purchase 1.5 million pounds of tobacco valued at \$1.1 million, dairy products valued at \$2 million and fruit valued at \$200,000.

The cotton shipped directly to Burma will consist of qualities not produced in that country. The cotton shipped to other countries will be in addition to cotton that would otherwise be imported

by such countries. Normally the cotton produced in Burma is of a very short staple. In addition, its textile industry's capacity is inadequate to supply that country's needs, USDA points out.

Winners in 4-H Cotton Contest Are Honored

Ten winning 4-H Club cotton producers in a contest sponsored by ginners and Plains Cooperative Oil Mill, Lubbock, and conducted by the Extension Service were honored Feb. 11 at a dinner. The boys toured the mill during the evening.

Royce Turner, Muleshoe, won among irrigated growers, while the dryland winner was Hilton Wood of Tahoka, Wilmer Smith, president of the mill, presented the awards.

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U. F. Coleman, Jr., left,
Lonoke County, makes
record yield with this
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• LSU Announces New Cotton Variety

DEVELOPMENT of a new high-yielding cotton variety to compete with nylon and other synthetic fibers was announced recently by Louisiana State University.

The new variety, named Stardel, was bred by Fred W. Self, associate agronomist at the Louisiana Experiment Station. It was produced by crossing selections from varieties Lone Star 65 and Deltapine 14.

In addition to high yield, the new variety features greater fiber strength, important in the manufacture of high quality fabrics.

Self said Stardel fibers are about 10 percent stronger than any variety now

in commercial production in the Cotton Belt and equal to the best cottons grown in the West.

The new variety averages 11/16 inches staple length, has a fiber of average fineness and has given excellent performance in milling tests, Self said.

He added a good gin turnout will result from its lint percent range of 37 to 40.

The plants are of medium height, vigorous and spreading and have medium to light foliage, valuable in preventing boll rot. Boll size runs 75 to 90 per pound and Stradel has good pickng qualities and good stormproofness, Self said.

In a three-year testing period at six Louisiana experiment stations, Self said the new variety averaged 880 pounds of lint per acre.

Now You Can Relax, It's Nothing Week

It will be a relief to know that everyone can relax and not have to observe anything special from Feb. 26 through March 3. Mayor James W. Morgan of Birmingham has proclaimed the week as National Nothing Week.

Although "many worthwhile causes use the medium of the national week to draw attention to themselves, the mayor said, his proclamation was inspired by such "ridiculous" things as "national gold plated diaper pin week" and "national pickle wart week."

Cooperative Mills Will Meet in New Orleans

The second joint conference of officials and representatives of cooperative cottonseed and soybean oil mills will be held at the Southern Regional Research Laboratory, New Orleans, Feb. 27-March 1, W. Dayton Maclay, chief of the Northern Utilization Research Branch, Peoria, has announced.

The meeting will be the ninth annual conference for cooperative soybean oil mill operators and the eighth for the cottonseed mills. The conference is being sponsored jointly by the Northern and Southern Regional Research Laboratories, together with the Farmer Cooperative Service of USDA.

Most of the time will be devoted to discussion of current problems. Staff members from both Regional Research Laboratories will review their research work on soybeans, cottonseed and products. Cooperative representatives will be given opportunities to discuss their operating problems and experiences with each other and the research staff representatives.

It is planned to devote the first day to cottonseed, the second and third to joint discussions of both groups, primarily by the mill and cooperative bank representatives, and the fourth to soybeans.

West German Lard Imports To Continue Large

West Germany is the third largest US export market for lard and is the largest foreign outlet for fatbacks. In recent years slaughter of hogs there has increased and the need for imported lard has declined, USDA says. However, US exports of the product in 1956 are expected to continue large and possibly increase as imports represent a considerable part of West German lard consumption.

The US supplied 63 percent of the West German lard imports in 1954 and held a considerably larger share of the market in 1955, when lard imports from the U.S. bought with government allocated "free dollars" were allowed for the first time, according to USDA. During the first 11 months of 1955 exports totaled over 58 million pounds.

With dollars being made available for lard purchases, the volume of U.S. imports is expected to equal or surpass 1955.

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• National Ginners Meet March 26

PLANS for the annual meeting of National Cotton Ginners' Association in Dallas on March 26 have been announced.

National ginners' representatives will meet jointly with Texas Cotton Ginners' Association directors at a banquet on Sunday night, March 25. The business meeting of the National Association will be held at 2 p.m. Monday, March 26.

S. N. Reed, O'Brien, Texas, is the National Association president. Other officers are Winston Lovelace, Loving, N.M., first vice-president; J. P. Ross, Essex, Mo., second vice-president; Joe Fleming, Huntsville, Ala., third vice-president; Carl Trice Williams, Jackson, Tenn., secretary-treasurer; and Clifford H. Hardy, Bennettsville, S.C., executive secretary.

Oriental Soybean Sales Subject for Meeting

Facts about the market for U.S. soybeans in the Orient are being presented at meetings throughout the country by George M. Strayer, executive vice-president of American Soybean Association, and Howard Kurtz of USDA. Meetings scheduled recently included those at Blytheville, Ark., Feb. 21, with the Midsouth Soybean Shippers' Association at Memphis, Feb. 22, and Feb. 23-24 at New Orleans.

Soybeans are more than an oilseed to Japan, they are the country's lifeblood, Strayer points out in an article in the current issue of Soybean Digest. There is little possibility of much expansion in Japanese soybean production, and the country offers a potential market for exports of more U.S. beans.

A market development agreement between the American Soybean Association and the USDA provides for a continuing study for one year of the soybean market in Japan and other countries, thus completing the work started by Strayer and Kurtz in Japan last fall.

"At the end of the year we should have a very good comparison of U.S. beans with Manchurian and Brazilian beans in Japanese markets," Strayer says. "We will know what steps must be taken to hold and expand the Japanese market for our soybeans."

The study will be financed largely by P. L. 480 funds and will cost in the neighborhood of \$100,000. But in order to qualify for these funds the industry must put up \$5 for every \$85 advanced by the government, and \$10 must be put up by the industry concerned in the country where the studies are being made.

U.S. soybeans will be on exhibit at a trade fair at Osaka, Japan in April. ASA, in cooperation with USDA and other trade groups, will plan and staff the exhibit.

Other commodities to be on exhibit at the fair will include wheat, rice and cotton lint.

Texans Meet in Galveston

Many cotton men from Texas and other states will attend the annual convention of Texas Cotton Association March 9-10 at the Hotel Galvez, Galveston.

Margarine Purchases Stop Decline, Butter Rises

Total purchases of margarine for household use during December, 1955, were estimated at over 107 million pounds, about the same level as December, 1954, according to USDA. This was the third consecutive month in which margarine has been the same or smaller than a year earlier. The percentage of families buying was 63. In the preceding two months, October and November, 1955, this percentage had been 59 and 61, respectively, or about three points less than those periods a year earlier.

Householders reported a large increase in margarine purchases, almost 10 million pounds, from November to December, 1955. Purchases of margarine had also increased from November to December, 1955; and from November to December in 1953 and 1954, but not in the same magnitude.

Butter purchases for the home in December, 1955, were five percent greater than in December, 1954. This marked the twenty-first consecutive month in which butter purchases were larger than in the same month a year earlier. Total purchases for the month were reported to be over 72 million pounds with 49 percent of all families buying.

Oklahoma Exchange Meets

Oklahoma State Cotton Exchange will hold its annual meeting on March 3 at the Biltmore Hotel in Oklahoma City.

INSTALL THE SIMPLE-EFFICIENT CONVEYOR BELT SEED SCALE



This entirely new Seed Scale is the simple and efficient answer to the continuous weighing of cotton seed, with speed and accuracy unheard of till now. Conveyor belt is suspended from a conventional "hopper type" scale and the seed on the belt is actually weighed in motion. The moving weight on the belt and the speed of the belt are converted into total pounds at the totalizer (ticket printer) by an integrator. This integrator is a magnetic clutch, which operates electrically, and consequently adds no friction to the scale mechanism.



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- ★ **INSTALLS** — simply in either screw type or forced air fed lines.
- ★ **TOTALS** Seed Weight for each Grower on a printed ticket. An additional counter is furnished (at no extra cost) for shift, day or week seed weight total.
- ★ **DELIVERY and INSTALLATION** by early summer if ordered now.



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• Peruvian Cotton Flown to Gins

SOME COTTON in Peru is being raised from seed brought in by plane and the cotton is flown out to a gin, then sold for less money than in the U.S., C. E. Fisher, superintendent, Texas Experiment Substation, Spur, reported after a recent visit there. He cited this as an example of the need for better transportation facilities for agricultural progress in South America.

Fisher believes that Brazil has the greatest agricultural potential in South America, and thinks the country's development is about at the same stage in many areas as this country was 75 years ago. He praised the progress that is being made throughout South America in pasture improvement and other agricultural activities.

Turkey's Cotton Outlook Shows Production Drop

The outlook for cotton production in Turkey during the August-July, 1955-56, marketing year indicates a crop of about 600,000 bales, eight percent lower than the 650,000 bales produced in 1954-55, USDA says. No major change in acreage has taken place, but yield per acre is likely to be lower.

The government has announced an increase in the price support for the 1955-56 crop equivalent to from 17 to 19.43 cents per pound. Turkey's cotton consumption amounted to 375,000 bales in 1954-55, 36 percent over the 1953-54 consumption. The upward trend is ex-

pected to continue for several years and some observers predict that within five years the country will be utilizing its entire cotton crop.

Most of Turkey's cotton is ginned by roller gins, with a ratio of roller to saw gins of about three to one.

Number of roller gins	305
Number of stands	400
Number of saw gins	100
Number of stands	100

Colombia Imports U.S. Cotton After '55 Crop Damaged

Authorizations have been issued to Colombia to finance the purchase of \$6,137,000 worth of cotton, approximately 34,000 bales, of 13/16 inch or longer grown in the U.S., USDA recently announced.

Consumption of cotton in Colombia has increased from about 133,000 bales in 1953-54 to over 150,000 bales in 1954-55 and a further rise is expected this year, according to USDA. The Colombian government has encouraged the use of cotton for both public and industrial use in an effort to raise the standard of living. The 1954-55 crop of 122,000 bales more than doubled the production two years previously. The 1955-56 crop, estimated at 110,000 bales, received heavy storm and insect damage. Acreage for this crop was estimated at 240,000 acres, a 60 percent increase over 150,000 acres in 1952-53.

Prediction for the Colombian cotton industry, according to USDA, is that production will exceed local mill requirements and provide a surplus for export.

• \$2 Billion 1955 Hurricane Loss

THE COST of everything, even hurricanes, is rising. Hurricanes last year dealt the Western Hemisphere a \$2 billion loss, the most destructive hurricane year in history.

"For the second consecutive year," says the 1955 hurricane report of the Miami Weather Bureau, "all records were broken for hurricane destruction. A conservative estimate of casualties is 1,518, but probably many more than that died in Mexico, alone, from hurricane-induced floods."

Diane, which moved in on the North Carolina coast last Aug. 17, caused most of the 218 known casualties in the U.S. from 1955 hurricanes. Ten major hurricanes were listed by the Weather Bureau during 1955.

Shell Division Office Is Moved to New Orleans

Shell's Agricultural Chemical Sales Division has moved the office of its recently consolidated Delta-Houston district from Jackson, Miss. to New Orleans, according to F. W. Hatch, division manager.

The new district was re-named New Orleans with J. F. White continuing as district manager. The office is located at 119 South Claiborne.

The company will maintain its area office in Houston under the supervision of A. J. Geron. The consolidated district now covers a seven-state area.



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Tristates Meeting Set for 1957

Tristates Oil Mill Superintendents' Association has announced that the 1957 convention will be held in Memphis on June 5-6-7. B. C. Lundy, Greenville, Miss., general chairman for the 1956 convention, which will be in Biloxi, Miss., on June 6-7-8, arranged for the 1957 Memphis meeting, which will be at the Peabody Hotel. The organization will hold a regional meeting on March 3, this year, at Little Rock.

• Fresno Meeting Will Feature Seedbeds

A FEW OF the important questions expected to be discussed at the fifth annual Western Cotton Production Conference in Fresno, Calif., March 6-7, include: What are the costs for different methods of cotton seedbed preparation in the Far West? And how does each method affect subsequent costs for weed control and harvesting?

As in previous years, the conference will consider latest research developments affecting soil fertility, disease control, irrigation, weed control, insect control and needs for improving and preserving lint quality. But, this is the first conference to highlight the economic aspects of different methods of seedbed preparation.

The general conference chairman will be Cecil Collette. Ray Provost will open the first session preceding an address, "Problems and Opportunities in Cotton," by Dr. M. K. Horne; and two panel discussions, "Analysis of Types and Methods of Seedbed Preparation Used for Cotton," R. H. Peebles, moderator, Marvin Hoover and P. J. Lyerly, members; and "Progress and Problems in Controlling Cotton Diseases" with B. R. Houston, moderator, and M. W. Allen, Lester Blank and I. V. Shields, members.

R. L. Skov will preside over the second session the afternoon of March 6 when John Stockton will speak on "Results of Irrigation Studies on Cotton." Other addresses during this session include: "Problems and Opportunities in Efficient Utilization of Water," Peter Duisberg; "Efficient Use of Fertilizers on Cotton," D. S. Mikkelsen; "Major Weeds in Cotton — Sources and Methods of Spread," W. A. Harvey; "Technical Problems Involved in Chemical Weed Control in Cotton," C. L. Foy; "Improved Techniques for the Application of Agricultural Chemicals," N. B. Akesson and a panel discussion, "Progress Report on Weed Control Studies" with Fred Arle, moderator and John Miller and Bob Banta, members.

The third session, under Kenneth Frick, will feature a symposium on "Developments in Cotton Insect Control" with J. C. Gaines, H. T. Reynolds and W. J. Robinson; and a panel discussion, "Problems and Recommendations in Controlling Cotton Insects" with F. M. Fuller, J. J. Durkin, J. N. Roney and Ed Swift, moderator. Addresses this session are "Analysis of Studies Relating to Cotton Fruiting and Shedding," V. T. Walhoad, "Effects of Field Conditions on Cotton Defoliation," Lamar Brown, and "Effects of Climatic Factors and

Cultural Practices on the Cotton Fiber," George Harrison.

With Marvin Farley presiding, the fourth session will wind-up the conference with closing addresses: "Results of Studies on Quality Harvesting with Mechanical Pickers in California," Harold Stanton; "Methods for Preserving Quality in Ginning," Emmette Chapman; "Cotton's Competition at the Mill Door," representative of ACMI, "Increasing Cotton Production Efficiency Through Integration of Recommended Practices," L. K. Stromberg and "How Modern Practices Affect Cotton Production Costs," J. G. Thompson.

Requests for reservations should be sent either directly to meeting headquarters at the Fresno Hacienda, or Hotel Californian, Hotel Fresno, Towne and Country Motel, Sands Motel, Towne House, Fresno Motel or Hotel El Rancho.

Covington Will Manage Mill at Hazlehurst

J. B. Perry, Jr., general manager of the Mississippi Cottonseed Products Co., announces that W. Aston Covington, who has been connected with the company's Greenwood, Miss., mill, has been made manager of the company's Hazlehurst mill, doing business as the Hazlehurst Oil Mill & Fertilizer Co. Covington's grandfather established the Hazlehurst mill before the turn of the century. He will assume his duties at an early date.

Frank M. Smith, who has been manager of the company's mill for a number of years, will become associated with William P. Miller of Memphis, as a full partner, to conduct a general brokerage business in cottonseed and soybean products.

New Chickens Lose Flight Feathers to Mutation

"Flightless" chickens, developed at the University of Delaware by Dr. William Mellen and C. W. Mumford of the agricultural college are so-called because they do not have the usual big primary and secondary flight feathers on their wings.

Since they were discovered in the college pens over a year ago they have bred true to form. Doctor Mellen has decided that this is a real "mutation," or permanent genetic change in the birds.

The present strain of "flightless" birds is far from the plump chicken that graces dinner tables, but the scientist plan to cross them with one of the new broiler chicken strains.

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Ambassadors for Cotton

T. L. W. BAILEY, JR., USDA cotton technologist, describes the experience he and Dr. Walter M. Scott, textile chemist, had in Europe in a program to aid cotton in this article in Foreign Agriculture.

WHEN the Foreign Agricultural Service asked me to undertake a technical liaison mission between U.S. cotton producers and European textile men, it sounded like good customer relations—the sort of thing a smart automobile salesman does when you buy a car. If he wants your good will he calls up to find out how it's running, tells you to bring it in if there are any adjustments you want made. I was going to do the same thing for American cotton. I was going to talk to our European customers—importers, mill owners, fiber technicians—about their problems and ours, and perhaps find out how we here in the States might improve our cotton and thus expand the market for cotton exports.

This sort of thing wasn't new to me. I've been in cotton all my life, and I've talked cotton to everyone from pickers and growers to mill owners and scientists. But on the way across the Atlantic I became apprehensive. In a few days I would be meeting Dr. Walter Scott, our textile scientist, in Amsterdam, and together we would be traveling through Europe consulting with one group after another. We were coming at their invitation, for this trip had originated as the result of a previous mission of American mill owners and government scientists. Still, I couldn't help wondering what sort of a reception we would get. Would they think we were there just to sell them more of our cotton? Would they resent our advice? What about the language problems, the different economics, that gap that we knew existed between research and its practical application?

• **Dunn Paved Way** — I needn't have been so concerned. Read P. Dunn, director of the Foreign Trade Division of the National Cotton Council, whose headquarters are in Europe, had made all the arrangements for our meetings, and even before we arrived he had had a wonderful response, particularly from countries like Italy and Spain, where the textile industry is not highly developed and where they were eager for our help.

We were warmly welcomed everywhere we went—so much so that in another few months I hope to go back again, and this time to talk to smaller groups in the textile industry.

After I met Doctor Scott in Amsterdam, we started our tour at Delft, where we gave talks before the Netherlands Textile Institute. I spoke first on raw cotton. Using slides, I talked about the virtues of the cotton fiber, what we are doing in the U.S. to develop a new and improved fiber, and about our progress in improving the ginning and packaging. I also talked about our efforts to measure the properties of the cotton fiber more precisely, and how more adequate use can be made of these properties.

Doctor Scott followed up this line of thought—but from the chemist's angle. Cotton, he insisted, though 5,000 years old, is a "new" fiber, a truly miracle product. Today chemists are finding ways of modifying, adapting, and im-

proving the properties of the cotton fiber so that cotton can be used for purposes never dreamed of before. These chemical treatments Doctor Scott discussed in great detail, with slides that were most interesting and helpful, as well as with samples of materials for examination. Our main theme was that research and development, both in the U.S. and Europe, hold a real promise for improving cotton's position against competing fibers.

• **Visited 10 Nations** — The following day we journeyed to Enschede, where we repeated these talks before 100 Dutch textile manufacturers. We met with cotton and textile men all over Europe—Belgium, Sweden, Norway, Germany, Switzerland, France, Great Britain, Italy, and Spain.

The pattern was never quite the same. In Paris, for instance, we talked mostly to manufacturers. In Holland, Belgium, and Germany, where most of the textile mills have been rebuilt after the war, we found such a high degree of efficiency that we felt we had something to learn. England, on the other hand, presented a paradox. Some of the English mills were up to date, but many of them used antiquated machinery and methods. Yet England has one of the finest textile research institutes in the world.

One of the things I felt most strongly in Europe was this tremendous gap between research and industry. It was almost as if they spoke different languages, research staying in its own ivory tower, while the manufacturing people struggle along the best they can. I can remember in Milan, one of the women attending the meeting asked me how I

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made a certain microscopic test. I explained that I couldn't tell her, but that I'd come in the laboratory and show her—whereupon I took off my coat, rolled up my sleeves, and demonstrated how I did it. She was delighted. To have us talk about methods and techniques and then go through the delicate manipulations with them step by step was far more than they had expected from us.

Of course, we were there to find out how to sell more American cotton, for we have to face the fact that American cotton exports to Western Europe have declined from an average of 3.5 million bales in 1935-39 to two million bales in 1954-55.

• **Price Main Answer** — The main answer is price. European mills can buy cotton cheaper from other countries than they can from the U.S. But fortunately price is not the only criterion. Many importers and manufacturers said they preferred our cotton, even at a higher price. They know they can rely on the source. They like the uniformity of its properties — staple length and grade. Their machines are adjusted to our cotton, and, moreover, they have built up long years of "know how" with American cotton.

There are things they do not like. Many of the complaints were ones we have heard before—the shoddy packaging, the jute fiber contamination of the bales, which causes ends down and imperfections in the weaving. Then there were complaints about the hole cut in the jute covering for removing samples, leaving the cotton exposed to all kinds of dirt and contamination in transit.

• **Trash Criticized** — Too much trash in the cotton was another criticism. In some cases there may be more trash with mechanical harvesting than there is with careful hand-picking. But we were able to describe to them the intensive work being done by the cotton industry in the U.S. to solve this problem of cleaning the cotton before ginning, even to the extent of spraying the leaves of the cotton plant so that they fall off before the harvesting of the bolls.

Thus, if I were to summarize what European importers require, I would say that first, they want a clean, well-packaged bale of even quality. Second, they want better ginning, not overdried. Third, they would like us to test for fineness, strength, and trash content. We now ship on the basis of grade and staple, but European textile men consider the other values as essential, too.

• **Long-Range Value Greatest** — Doctor Scott and I felt the mission's greatest accomplishments were general and long-range.

This mission also stimulated thinking about cotton—how we and our European customers could work jointly and collectively to advance the work in behalf of cotton. As I mentioned earlier, we felt that European research people were not getting their findings across to the manufacturers, nor were the manufacturers asking for this information. Therefore, if our discussions result in better collaboration between these two essential parts of the same industry, we will not only have advanced the cause of cotton but within this over-all framework we will have helped American cotton abroad.

■ **J. G. BOSWELL, II**, Los Angeles, has been elected to the board of directors of Safeway Stores.

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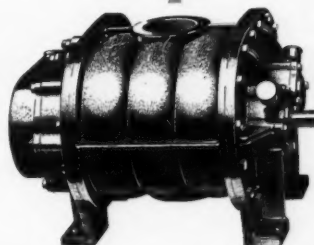
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Clinging Cotton Bandage

(Continued from Page 9)

growing technical knowledge, and creative imagination.

From Slater's he went to Klearflax Linen Looms, Inc., Duluth, Minn., where he set up a laboratory for experimental work, and control of plant operations. Soon after the close of World War I this firm sent him on a tour of five European countries to study flax retting and preparation, and linen manufacture.

The years 1923 and 1924 were devoted to supervision of cotton mercerization and dyeing, and in 1924 he put a laboratory into operation for the Hemingway Silk Co., a leading silk manufacturer. The laboratory was designed for testing silk, rayon, and some silk and rayon products.

In 1925 he joined Mellon Institute as an industrial fellow. Much of his time was spent in research on mercerization, perhaps the most extensive ever done in this field by an individual; on the swelling of cellulose, with particular attention to the alkali swelling agents, and on bleaching, dyeing, and other processing of cotton yarns. It was during this period that he conceived the idea of the semi-elastic cotton bandage, which is an application of the mercerization process. For one reason or another, however, the idea was laid aside. He continued with

the Mellon Institute until 1941, except for a short period when he served as a consultant for a wool pulling and manufacturing firm.

Thus, when he joined the cotton research project at Southern Regional Research Laboratory as a senior cotton technologist, he had a broad background of some 30 years work in textiles, chiefly on cotton, but also on linen, silk, and wool, as well as some experience with rayon and other synthetics.

• **Based on Century-old Process** — With the beginning of World War II, he recalled his idea for a bandage made entirely of cotton; but one which, because of its unique qualities, would stretch in any direction, and be essentially self-fitting and self-tightening when applied with moderate tension.

The process was based on John Mercer's observation more than a hundred years before, that cotton cloth shrinks in strong caustic. From this starting point, and his own observations on the shrinking of cotton in strong alkali, Goldthwait went on to develop a method for shrinking the gauze without tension, so that the yarns would kink and crimp imparting the qualities of elasticity and clinging.

During World War II, 30,000 of the new bandages were made at Southern Regional Research Laboratory for use by U.S. Naval Hospitals, and about

10,000 for evaluation by various other organizations. During the war in Korea the bandage was tried in Army hospitals and in the field. It was found to be the best of the bandages tested for use with the Army's new universal protective dressing. Manufacturers then developed the special equipment needed for making the new-type bandage, and since the end of the Korean conflict it has been placed on sale for civilian use by two manufacturers of dressing materials. A patent covering the process was issued to Goldthwait and assigned to the Secretary of Agriculture to be held for the benefit of the public, and to be licensed without cost to qualified applicants. This invention, like all other discoveries made by USDA scientists, brings no financial return to the discoverer, even though it may represent a potential fortune.

• **Developed Differential Dyeing** — "The best-paying trip we ever made," commented a textile mill executive, after four representatives of his company had visited Southern Regional Research Laboratory to learn first-hand about a differential dyeing technique, another of Goldthwait's discoveries since he has been connected with USDA.

The commercial value of this test method of dyeing is proved by the fact that more and more textile manufacturers are adopting it for troubleshooting, or as a part of their standard cotton testing procedure. To the layman, the process looks like magic. A dye bath is prepared from a mixture of two special dyes. Then, for example, a single boll of cotton may be treated; when it comes out, part of the fibers may be red, others green. Thick-walled, so-called mature fibers take the red dye, while thin-walled, immature ones take the green.

It gives cotton mills a quick, reliable method for testing the fiber quality, and greatly reduces losses from uneven dyeing, and defects due to neps. In 1949, discovery and development of this differential dye test, together with accomplishments in the general field of chemical finishing of cotton yarns and fabrics brought Goldthwait the Department of Agriculture Superior Service Award.

Another of Goldthwait's war-inspired developments from cotton is the unlined firehose, intended for use as a replacement for unlined linen hose in case of a linen shortage. Yarn from American cotton of ordinary staple length, with the addition of an insoluble, swellable cellulose derivative, hydroxyethyl cellulose, can be made into a hose which easily holds water at ordinary working pressures.

• **Acetylation Process** — As head of the Cotton Chemical Processing Section at Southern Regional Research Laboratory, Goldthwait has also been a leader in the development of commercial processes of partial acetylation, to improve cotton in resistance to heat, rot, and mildew. Before these studies were initiated, partially acetylated products, although they had been known and made to a limited extent in England, had not been produced in the U.S. beyond a pilot-plant scale. Partially acetylated, or PA cotton, as it is sometimes known, has been found to have a service life of four to six times that of ordinary cotton when used for laundry hot-head-press pad covers. The material is now in production, however, mainly for home iron-

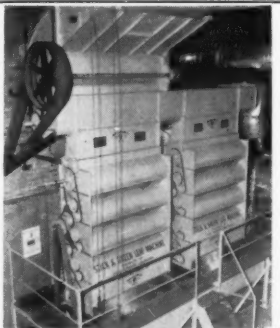
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ing board covers. Tests show that PA cotton also has possibilities of useful life 25 to 50 times that of untreated cotton where mildew and rot are the destructive factors.

These are among the highly valuable developments in the textile field for which Goldthwait has been responsible. Though they are now receiving considerable commercial application, their possibilities have been only partially developed. They do indicate, however, the vast and fertile field open for exploration in the chemical processing of cotton. Goldthwait, one of the leading trailblazers in this direction, believes that while a beginning has been made, there is no foreseeable limit to new and better things which can be made from cotton, and that continued research will assure the King long and secure tenure on his throne.

Chemical processing is only one of the fields of cotton utilization research now being explored at Southern Regional Research Laboratory. Another unit, the Cotton Mechanical Processing Section, is searching for better and more economical methods of cleaning and manufacturing cotton; the Cotton Fiber Section is studying the structure of the cotton fiber in search of new possibilities, while the Oilseed Section has brought out information and processes to greatly increase the use of cottonseed.

Flaxseed Increase Expected In Mexico in 1956

Flaxseed area planted on Mexico's west coast for 1955-56 is estimated at 27,000 acres, with a crop of 550,000 bushels forecast, according to FAS. This compares with an estimated 1954-55 production of 98,000 bushels from less than 5,000 acres. Total Mexican flaxseed production for 1954-55 was 394,000 bushels from 25,000 acres.



Honored by Shippers

BURRIS C. JACKSON, Hillsboro, Texas, cotton leader was honored Feb. 24 at the annual shippers' party sponsored by the Dallas Cotton Shippers' Association at the Dallas Country Club. Jackson is chairman of the Statewide Cotton Committee of Texas, a director of the National Cotton Council and a leader in many other cotton industry activities.

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CALENDAR

Conventions		Meetings		Events	
12	13	14	15	16	17
					18

● Feb. 28-29—Short Course for Texas Gin Operators. First day at Richard's Restaurant, 1700 South Highway 77, Harlingen; second day at individual gins. Sponsored by Texas Cotton Ginners' Association, gin machinery manufacturers, and USDA and Texas Extension Services. For information, write Texas Cotton Ginners' Association, 3724 Race Street, Dallas.

● March 6-7 — Fifth Annual Western Cotton Production Conference. Fresno Hacienda, Fresno, Calif. For information, write National Cotton Council, P. O. Box 9905, Memphis, Tenn.

● March 7-8 — Cotton Spinner-Breeder Conference. Hotel Charlotte, Charlotte, N.C. American Cotton Manufacturers' Institute hosts. Sponsored by Mississippi Delta Council and cooperating groups.

● March 9-10 — Oklahoma Cotton Ginners' Association annual convention. Skirvin Hotel, Oklahoma City, J. D. Fleming, Jr., 1004 Cravens Building, Oklahoma City, secretary-treasurer.

● March 12-13 — Cottonseed Processing Research Clinic. Southern Regional Research Laboratory, New Orleans. Sponsored by Valley Oilseed Processors' Association and USDA. C. E. Garner, 1024 Exchange Building, Memphis, Association secretary.

● March 12-14 — Midsouth Gin Supply Exhibit. Midsouth Fairgrounds, Memphis. For information, write W. Kemper Bruton, P. O. Box 345, Blytheville, Ark. Arkansas-Missouri, Louisiana-Mississippi and Tennessee ginners' associations sponsor the exhibit and will hold their annual convention concurrently with it.

● March 12-14—Arkansas-Missouri Cotton Ginners' Association annual convention. Memphis. W. Kemper Bruton, P. O.

Box 345, Blytheville, Ark., executive vice-president. Concurrent with Midsouth Gin Supply Exhibit.

● March 12-14 — Louisiana-Mississippi Cotton Ginners' Association annual convention. Memphis. Gordon W. Marks, P. O. Box 1757, Jackson, Miss., secretary. Concurrent with Midsouth Gin Supply Exhibit.

● March 12-14 — Tennessee Cotton Ginners' Association annual convention. Memphis. W. T. Pigott, Milan, Tenn., secretary-treasurer. Concurrent with Midsouth Gin Supply Exhibit.

● March 16-17-18—West Coast Divisional Meeting of International Oil Mill Superintendents' Association. Lafayette Hotel, Long Beach, Calif. H. F. Crossno, meeting chairman, 2301 E. 52 Street, Los Angeles.

● March 18-21—National Peanut Council annual convention. Jung Hotel, New Orleans. For information, write National Peanut Council, DuPont Circle Building, Washington, D.C.

● March 26 — National Cotton Ginners' Association annual meeting. Dallas, Texas. Clifford H. Hardy, Bennettsville, S.C., executive secretary. Will be held in conjunction with Texas Cotton Ginners' Association annual convention.

● March 26-27-28 — Texas Cotton Ginners' Association annual convention. State Fair Grounds, Dallas, Texas. Ed H. Bush, 3724 Race Street, Dallas, executive vice-president. For exhibit space, write R. Haughton, president, Gin Machinery & Supply Association, Inc., 3116 Commerce Street (P. O. Box 7985), Dallas.

● April 9-10—Valley Oilseed Processors' Association annual meeting. Buena Vista Hotel, Biloxi, Miss. C. E. Garner, 1024 Exchange Building, Memphis, secretary.

● April 12-13 — National Cotton Compress and Cotton Warehouse Association annual convention. Galvez Hotel, Galveston, Texas. John H. Todd, 1085 Shrine Building, Memphis, Tenn., executive vice-president.

● April 22-25 — American Oil Chemists' Society spring meeting. Shamrock Hotel, Houston. For information, write Society headquarters, 35 East Wacker Drive, Chicago.

● May 15-16 — Oklahoma Cottonseed Crushers' Association annual meeting. Sequoyah State Park, near Muskogee. J. D. Fleming, 1004 Cravens Building, Oklahoma City, secretary.

● May 21-22—National Cottonseed Products Association convention. Statler Hilton Hotel, Dallas. John F. Moloney, 19 S. Cleveland Street, Memphis 4, secretary-treasurer.

● May 31-June 1-2—Seventeenth annual American Cotton Congress. Lubbock, Texas. Burris C. Jackson, Hillsboro, Statewide Cotton Committee of Texas, general chairman.

● June 3-6 — International Oil Mill Superintendents' Association annual convention. Plaza Hotel, San Antonio, Texas. H. E. Wilson, P. O. Box 1180, Wharton, Texas, secretary-treasurer.

● June 4-5 — North Carolina Cottonseed Crushers' Association and South Carolina Cotton Seed Crushers' Association joint annual convention. Ocean Forest Hotel, Myrtle Beach, S.C. Mrs. M. U. Hogue, 612 Lawyers Building, Raleigh, secretary-treasurer. North Carolina Association; Mrs. Durrett L. Williams, 609 Palmetto Building, Columbia, secretary-treasurer, South Carolina Association.

● June 6-8 — Tristates Oil Mill Superintendents' Association annual convention. Biloxi, Miss. For information, write Roy Castillow, 20 Lenon Drive, Little Rock, Ark., secretary-treasurer.

● June 10-12—Texas Cottonseed Crushers' Association annual convention. Statler Hilton Hotel, Dallas. Jack Whetstone, 624 Wilson Building, Dallas, secretary-treasurer.

● June 16-19—Alabama-Florida Cottonseed Products Association and Georgia Cottonseed Crushers' Association joint annual convention. Lookout Mountain Hotel, Lookout Mountain, Tenn. J. E. Moses, 318 Grand Theatre Bldg, Atlanta, secretary of Georgia Association; C. M. Scales, 322 Professional Bldg., Montgomery, Ala., executive secretary, Alabama-Florida Association.

● June 20-22 — Mississippi Cottonseed Crushers' Association annual convention. Buena Vista Hotel, Biloxi, Miss. Gordon W. Marks, P. O. Box 1757, Jackson, Miss., secretary.

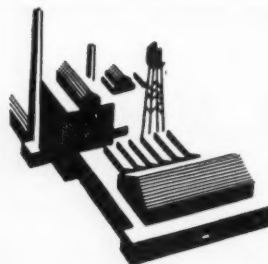
● June 25-26-27 — Oil Mill Operators' Short Course. Texas A. & M. College, College Station. Sponsored by College, Texas Cottonseed Crushers' Association and International Oil Mill Superintendents' Association. For information write Dr. J. D. Lindsay, Texas A. & M. College.

● Sept. 23-26 — American Oil Chemists' Society fall meeting. Sherman Hotel, Chicago. For information, write Society headquarters, 35 East Wacker Drive, Chicago.

Farm Chemicals Meeting

The third annual Agricultural Chemicals Conference was held Feb. 14-16 at Texas Technological College, Lubbock. Primarily for distributors, dealers, processors and manufacturers of agricultural chemicals, the meeting was open to the public.

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Viruses, in plant and animals, are made up largely of proteins. Thus, any warm-blooded animal forms antibodies to an injected virus. Once a stock of antisera has been prepared, scientists will have a faster method of virus-disease identification than now used. This will speed up breeding for resistance to such diseases by enabling breeders to rid stock of infected material without waiting for plants to mature. It's also expected that the bank will provide for closer study of the disease sources and how they spread.

The sera injected into the rabbits are made from juice of diseased plants. The rabbits in the bank now contain the antisera of barley-stripe, mosaic and bromo-mosaic viruses and several other strains. The bank also contains antisera to the viruses of potato X, tobacco mosaic, elm ring spot and cucumber mosaic.

Shippers' Head Warns Lint Also Must Compete Here

Cotton must sell competitively at home, as well as abroad, to maintain its markets, and an export program amounts to only part of the job that needs to be done to keep cotton competitive, Hugh Dixon, president, American Cotton Shippers' Association, recently told the subcommittee of the House Agriculture Committee.

"To prosper," Dixon continued, "surely we must ultimately arrive at a situation where producers will have full use of their land and are allowed to produce cotton freely and sell it at competitive prices.

"Our producers have the know-how; we have the equipment; we can find the markets if we are allowed to sell at competitive prices. Could any industries in this country prosper if their production were cut down to 50 or 60 percent of capacity? Certainly they could not compete. It seems to us that we must apply the same standards to cotton.

"A sales-for-export program would undoubtedly help us to compete with outside growth in foreign markets," he said, "but it is our contention that:

"1. A sales-for-export program does nothing to regain our markets in the U.S. in competition with synthetics;

"2. It is putting an over-emphasis on the smaller market abroad instead of pushing sales in all markets, that is, both in the domestic and also in the foreign markets;

"3. We have accumulated a huge surplus of cotton in government hands and, if we are to dispose of these stocks, we must inevitably offer and sell them competitively in the largest market, which is the domestic market;

"4. We question the possibility of being able to sell such very large quantities of cotton abroad."

■ **FREDERICK BAUM**, partner of L. Pasternak Co., brokers of oils and fats, was recently elected a member of the New York Produce Exchange.

1955 Canadian Margarine Up by Eight Points

Canada's 1955 margarine production of 125.1 million pounds is eight percent above the 115.9 million pounds produced in 1954, according to the Dominion Bureau of Statistics. Shortening production declined to 153.7 million pounds against 156.7 million pounds the previous year.

Of 155.7 million pounds of oils and fats consumed in the shortening industry last year 56 percent was vegetable oil, 13 percent marine and 31 percent animal.

Canada's flaxseed crushing during 1955 was reported at 188.7 million pounds from which 66.6 million pounds of oil and 115.2 million pounds of meal

were produced. Soybean crushing represented 670.5 million pounds with 115.5 million pounds of oil and 529.3 million pounds of meal produced.

Danish Edible Oil Import Restrictions Eased

Denmark's Ministry of Commerce has recently granted the Danish margarine industry further liberalization in the import of edible oils. Last year the margarine factories were permitted to import 10 percent of their consumption of edible oils. Under the new regulation the industry will be able to buy 15 percent through direct import during the six months period January-June 1956, USDA reports. After July 1, 1956 this will be expanded to 20 percent.

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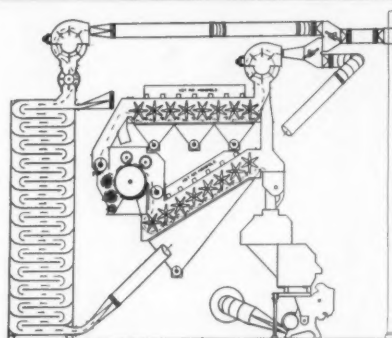
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Tom: Will they serve women at the bar where we're going?

Jerry: Naw, you've got to bring your own.

A Southern newspaper recently published an article about plans for a series of church meetings to be held at night. The headline of the article read: "Pastors Pan Nighty Meetings."

A young Army officer, getting ready to be married, was selecting his furniture carefully because of the knowledge that he and his wife must travel a great deal. After testing several beds, he turned to the clerk and explained: "We want a good strong bed, as my wife and I expect to be moving around a great deal."

You can't tell a farm girl the stork brings baby calves. She knows it's the bull.

He: Say, you look a lot thinner.

She: I sure am—you can count my ribs.

He: Gee, thanks!

The lovely lady was being examined by a psychiatrist, who was startled when she said, fervently, "Kiss me."

"Oh, I can't do that," he hastily replied, continuing the examination.

In a few minutes she said, again, "Kiss me." He quickly replied, "Oh no, that would be unethical."

After more examination, there came the third appeal from the beauty, "Kiss me."

"You know I can't do that," said the psychiatrist, "Why, I shouldn't even be up here on the couch with you in the first place."

Jack Tar: "Is your milk pure, mister?"

Dairyman: "As pure as the girl of your dreams, sailor!"

Jack: "Hmmm—where's the nearest tavern, bud? Think I'll have me a beer!"

The tired worker plodded wearily home after a hard day at the office. When he reached his house, no aroma of dinner met him—neither did his wife. A note on the table informed him that she had gone for good. A neighbor phoned to tell him that his wife had left with a sailor. "That's the last straw," he said to himself in despair. "One shot would end it all." So he got down the bottle and took a good one.

There were few in the infantry company who hadn't heard Private Snedden brag about his marksmanship. On a day when maneuvers were interrupted by an enemy sniper who was concealed on a hillside about a mile away, the captain called Snedden aside. Addressing him with tongue in cheek, he said: "Snedden, with your ability I should think you'd be able to blind that nuisance."

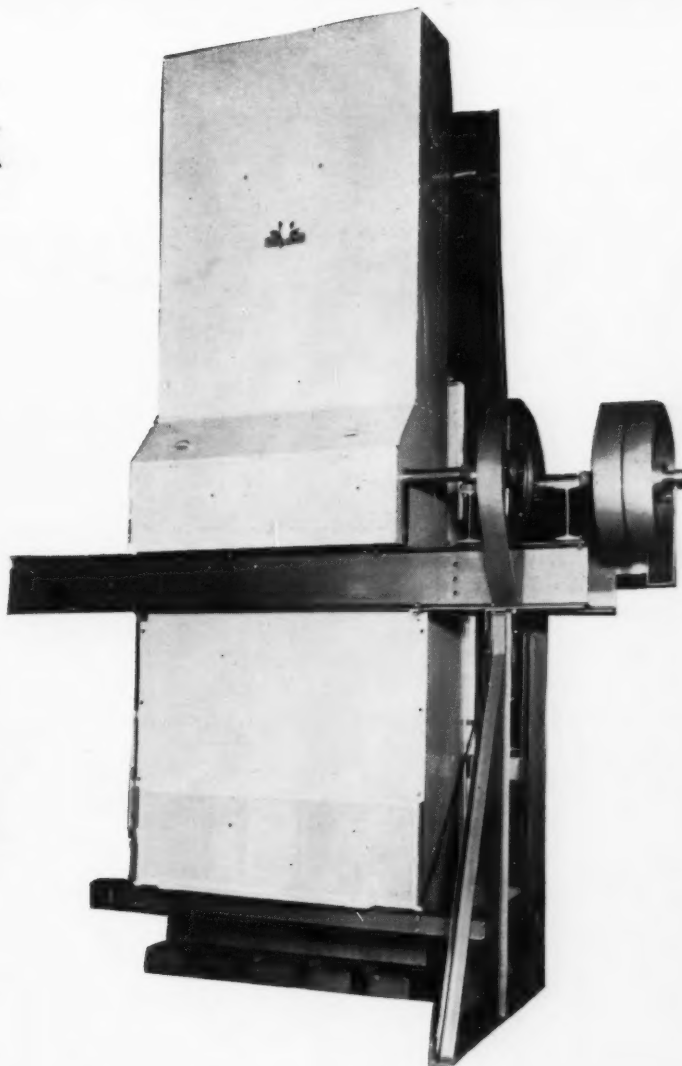
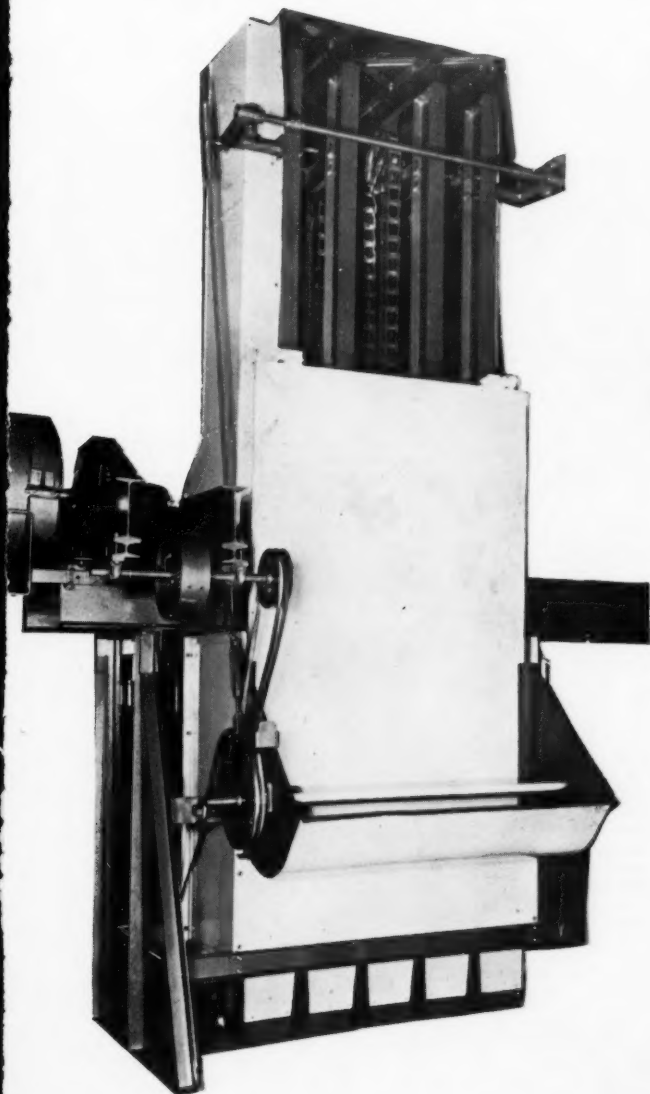
"Sure thing," said Snedden, shouldering his rifle, "which eye first?"

Groom, in hotel room: "Aw, honey, come to bed."

Bride, gazing out the window at the stars: "Not me. My mother said this would be the most beautiful night of my life, and I'm not going to miss a minute of it."

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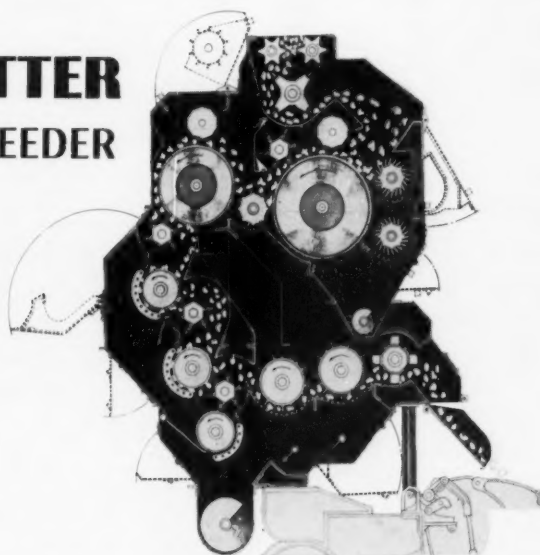
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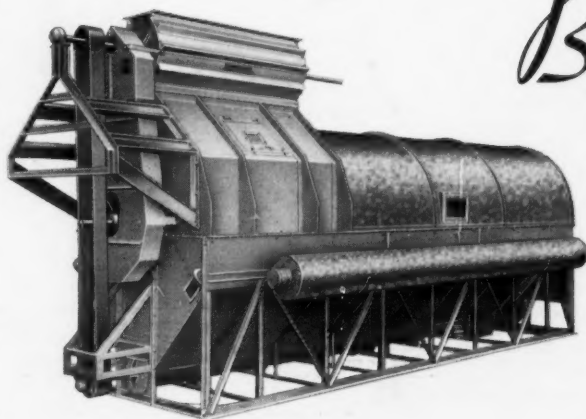
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